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United States  
Department of  
Agriculture

Soil  
Conservation  
Service

Salt Lake City  
Utah



# WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department  
of Natural Resources

May 10, 1983  
Circular 83-10



April 1, 1983

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: FRESH POWDER SNOW ON ELEPHANT MOUNTAIN, NEAR THE WEST FORK OF HYALITE CREEK, IN MONTANA.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

# **WATER SUPPLY OUTLOOK FOR UTAH**

**and**  
**FEDERAL-STATE- PRIVATE COOPERATIVE SNOW SURVEYS**

**Issued by**

**PETER C. MYERS  
CHIEF  
SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.**



**Released by**

**FRANCIS T. HOLT  
STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
SALT LAKE CITY, UTAH**

**In Cooperation with**

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES**  
**DEE C. HANSEN**                                   **DANIEL F. LAWRENCE**  
**State Engineer**                                   **Director**  
**Division of Water Rights**                       **Division of Water Resources**



**Report prepared by Snow Survey Staff**

**BOB L. WHALEY, Supervisor**

**Soil Conservation Service  
125 So. State, Fed. Bldg.  
P.O. Box 11350  
Salt Lake City, Utah 84147**

# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

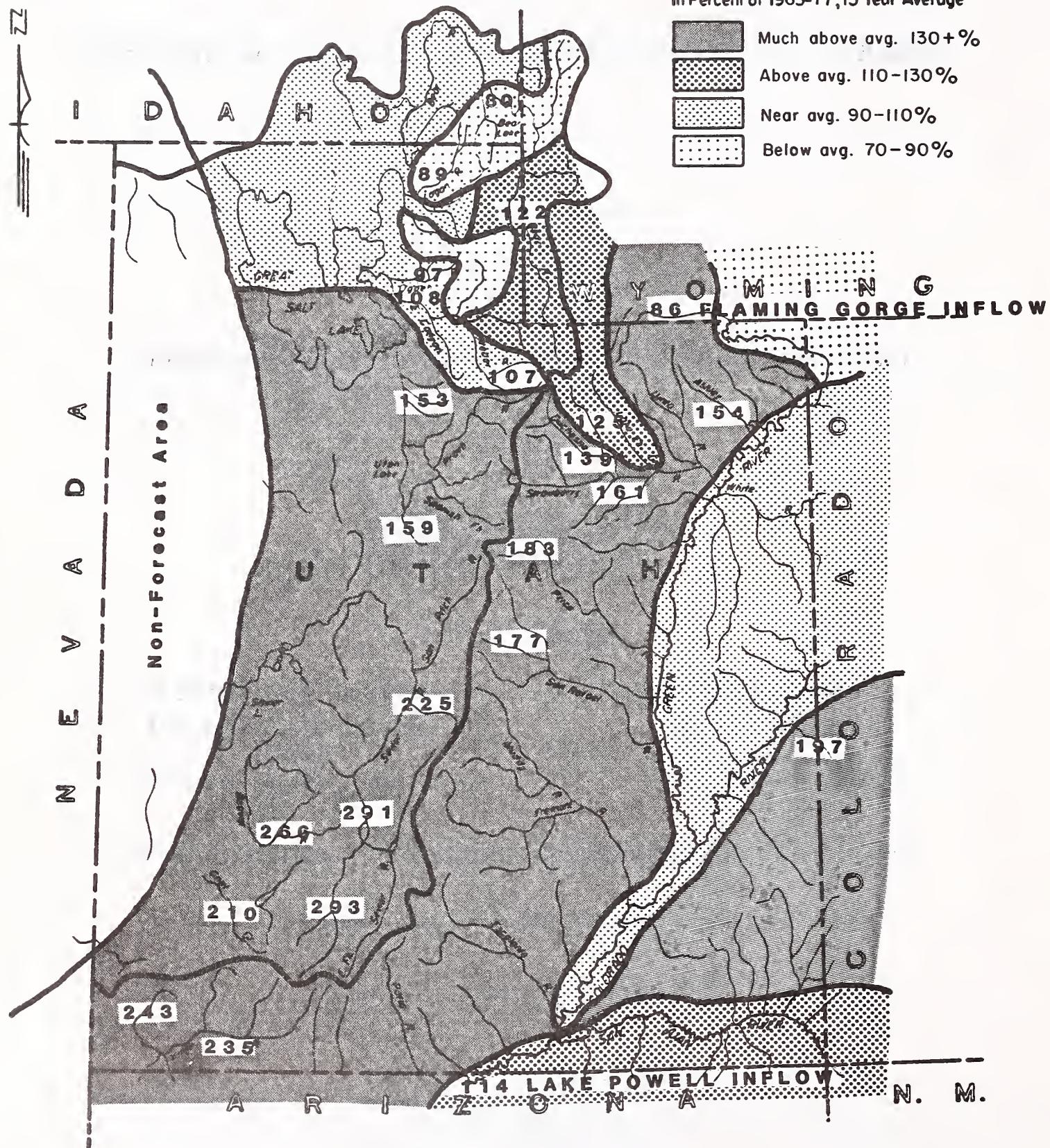
April 1, 1983

Approximate Date

50 0 50 100  
SCALE IN MILES

FORECAST STREAM FLOW  
in Percent of 1963-77, 15 Year Average

- [Solid Gray Box] Much above avg. 130+%
- [Dotted Box] Above avg. 110-130%
- [Light Dotted Box] Near avg. 90-110%
- [Very Light Dotted Box] Below avg. 70-90%



# WATER SUPPLY OUTLOOK

As Of April 1, 1983

\*  
★ Utah's 1983 water supply outlook ranges from near ★  
★ average in the north to well above average in the ★  
★ south. Snow cover ranges from 86% of average on the ★  
★ Upper Bear to 265% in the southwest corner of the state ★  
★ above Enterprise. Precipitation during March ranged ★  
★ from near average to twice average in the north to ★  
★ three to five times average in the south. Soils are ★  
★ much wetter than usual and reservoir storage is 126% of ★  
★ average statewide. Streamflow forecasts now range from ★  
★ near average to five times average. ★  
\* \*

## SNOW COVER

Snow measurements taken the last week of March show much heavier increases for the month than usual and now range from 70 to 100% of average on the Bear, Black's Fork, Logan, Blacksmith Fork, Little Bear, and South Fork Ogden to 200 to 400% on the Beaver, Upper Sevier, Coal Creek, Shoal Creek and Blue Mountains of Southeastern Utah.

Many snow courses set new April 1 water content records in central and southern Utah.

## PRECIPITATION

Precipitation at mountain stations generally ranged from near average along the Idaho border, to three to almost five times average in southern Utah. Most stations on the Ogden, Weber and Black's Fork are 120 to 200%. The south slope of the Uinta Mountains and central Utah stations range from 200 to 300% of the March average.

## SOIL MOISTURE

Watershed soils are much wetter than average over most of the state and should absorb much less snowmelt this season.

## RESERVOIR STORAGE

Storage in 26 of Utah's key reservoirs is 126% of the April 1 average and 91% of usable capacity. Many reservoirs have been releasing water to make room for spring snowmelt runoff.

The Great Salt Lake is now 4203.20 feet above sea level or the highest since 1927 and 3.30 feet higher than a year ago.

Utah Lake is now 2.40 feet above compromise and expected to rise further as snowmelt begins.

## WATER SUPPLY OUTLOOK (continued)

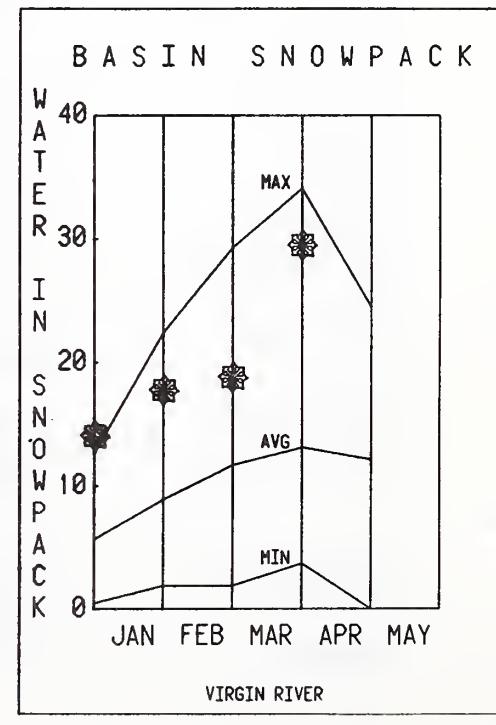
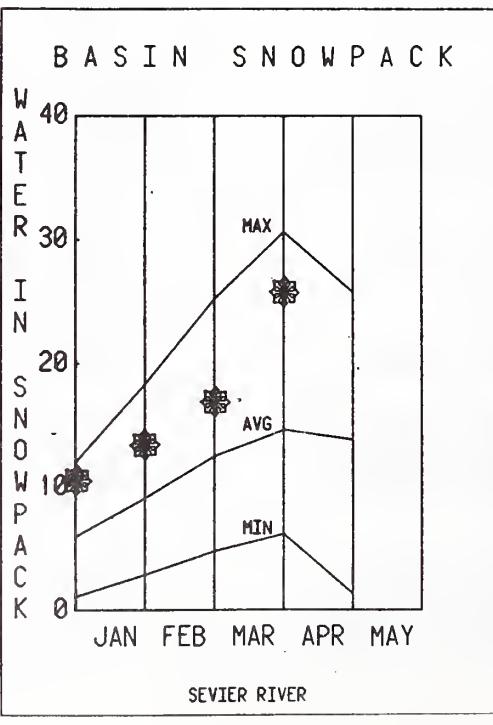
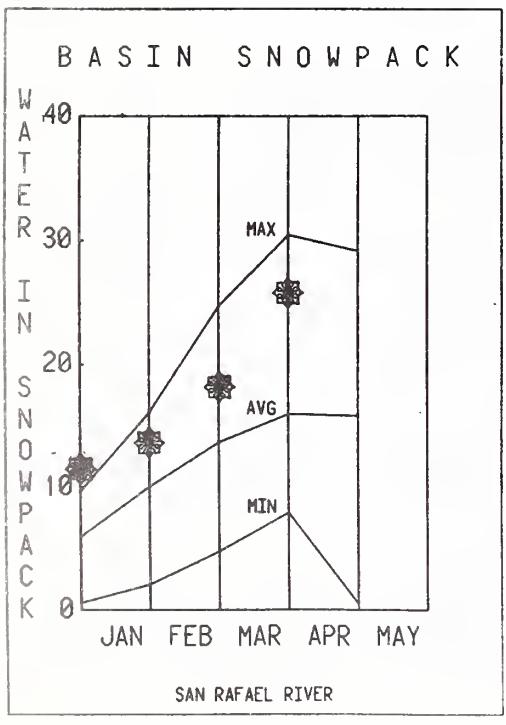
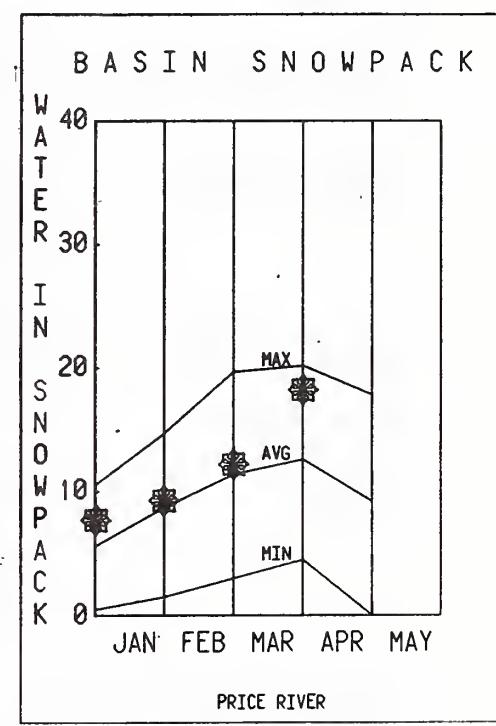
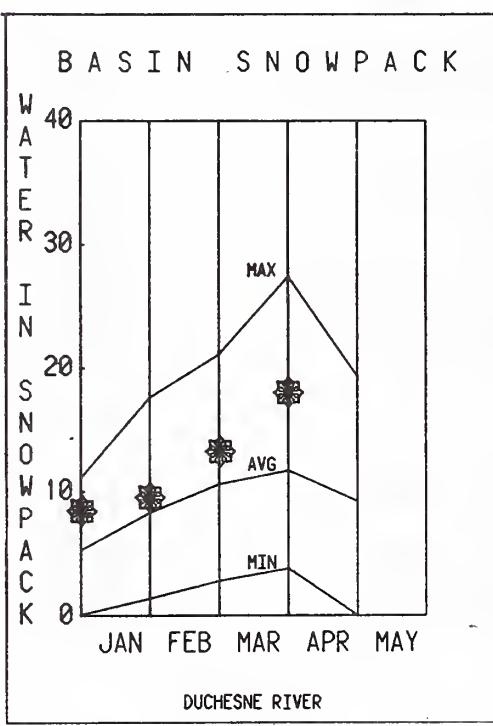
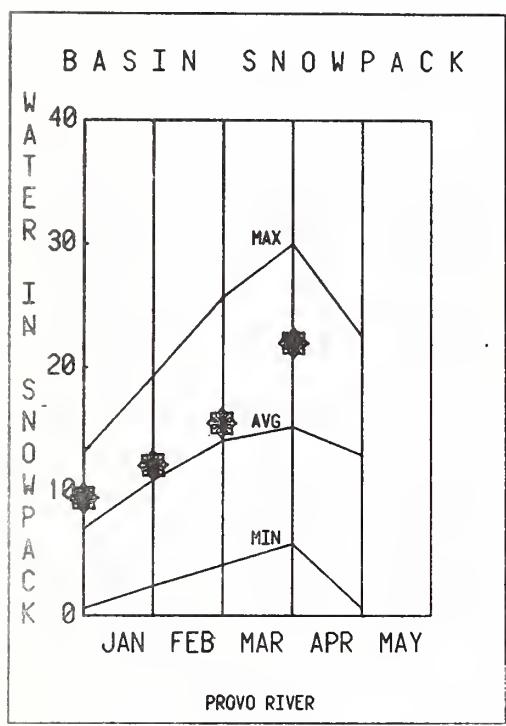
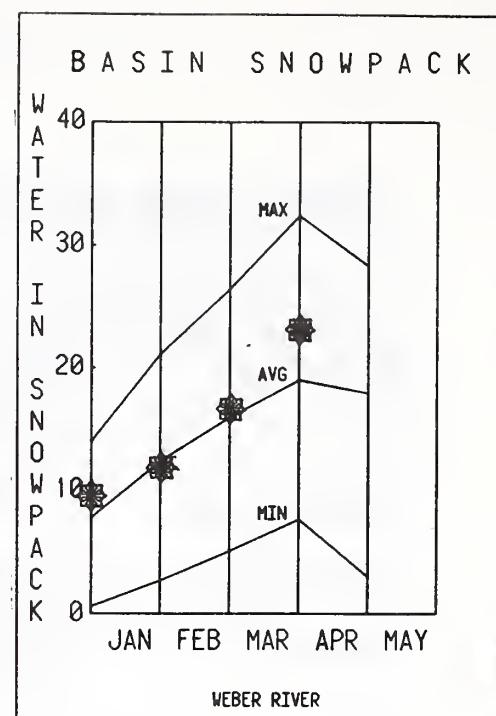
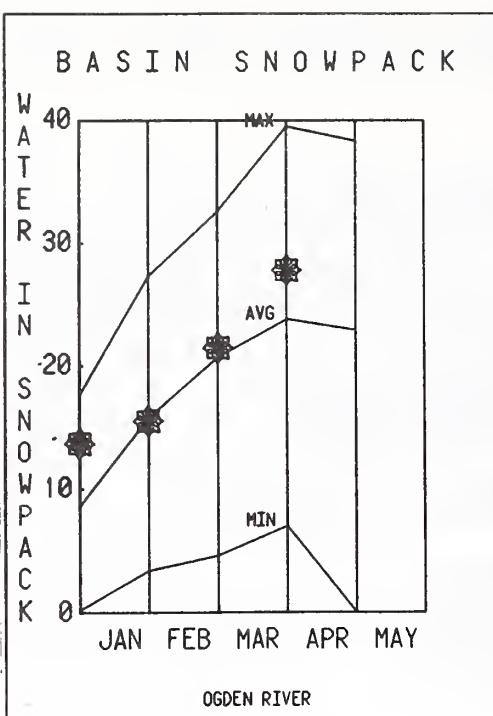
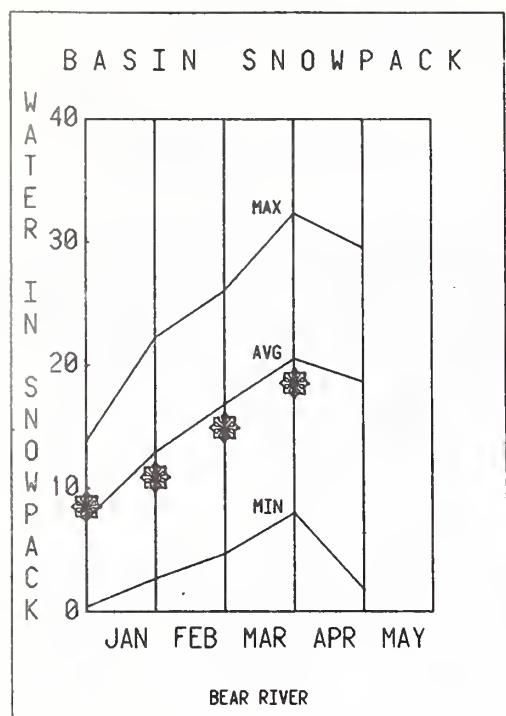
### STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period raised again this month after heavy increases to the snowpack and now range from 79% on Little Bear to over 500% for Minersville Inflow on the Lower Beaver River. Below average areas are the Lower Bear, Logan and Lost Creek. Near average areas are the Ogden, Weber, Upper Bear and mainstem Colorado River. The remainder of the state is above average to much above average with a good portion of the southern half of the state's forecasts exceeding 200% of the April-July average. Peak flows are expected to be well above average in central and southern Utah and land-owners should protect property along stream channels.

The Great Salt Lake is now forecast to rise to 4203.70 feet or another 0.5 foot from April 1st. Utah Lake is forecast to peak at 2.65 feet above compromise assuming weather and runoff conditions are normal this spring.

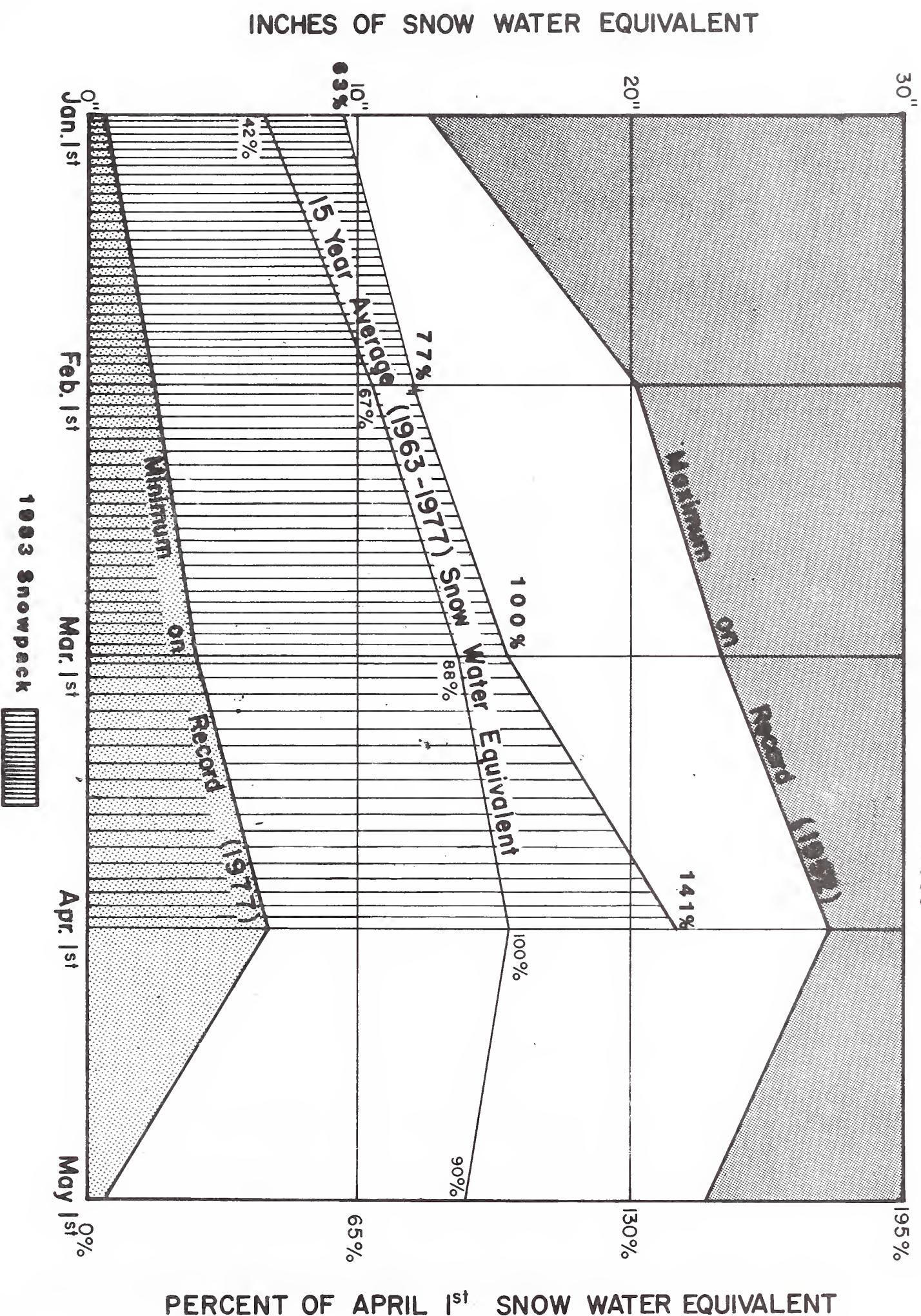
## RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average+
<b>GREAT BASIN</b>					
<u>Bear River</u>	Bear Lake	1421.0	1101.5	957.6	1039.5
	Woodruff Narrows	57.3	36.4e	34.7e	23.8
	Woodruff Creek	---	3.5e		
<u>Beaver River</u>	Minersville (RkyFd)	26.0	24.6	19.6	14.9
<u>Little Bear</u>	Hyrum	15.3	10.6e	10.2	12.4
	Porcupine	11.3	4.6e	6.0e	5.2
<u>Ogden</u>	Causey	6.9	1.4	1.1	2.5
	Pineview	110.1	79.8	78.6	55.8
<u>Provo</u>	Deer Creek	149.7	112.3	115.0	108.7
<u>Settlement Creek</u>	Settlement Creek	1.2	0.9	0.6	
	Vernon Creek	0.6	0.4	0.5	---
<u>Sevier River</u>	Gunnison	18.2	15.7	18.2	16.5
	Otter Creek	52.5	50.2	50.7	37.3
	Piute	71.8	58.0	65.9	49.9
	Sevier Bridge	236.0	232.0	234.0	146.8
	Panguitch Lake	22.3	21.0e		
<u>Spanish Fork</u>	Strawberry	270.0	256.8	182.0	156.9
<u>Utah Lake</u>	Utah Lake	883.9	1134.0	883.9	752.0
<u>Weber</u>	East Canyon	48.1	38.9	32.4	29.0
	Echo	73.9	52.2	44.2	50.7
	Lost Creek	20.0	15.2	12.5	13.1
	Rockport	60.9	44.5	27.1	32.5
	Willard Bay	193.3	167.0	156.6	145.6
<b>COLORADO RIVER BASIN</b>					
<u>Ashley Creek</u>	Steinaker	33.3	30.6	24.4	23.4
	Red Fleet	26.0	22.4		
<u>Colorado</u>	Blue Mesa	829.5	445.8	219.9	---
	Lake Powell	25002.0	22603.0	19635.0	---
<u>Green</u>	Flaming Gorge	3749.0	3173.8	2662.0	---
<u>Lakefork</u>	Moon Lake	35.8	31.9	20.5	19.6
<u>Price River</u>	Scofield	65.8	38.3	37.1	36.8
<u>San Juan</u>	Navajo	1696.0	1323.7	1238.2	---
	Ken's Lake	2.3	0.9	0.7	---
<u>San Rafael</u>	Huntington North	3.9	3.7	3.3	3.6
	Joe's Valley	54.6	45.1	31.5	38.0
	Mill Site	16.7	16.7	7.4	---
<u>Strawberry</u>	Starvation	165.3	117.0	139.1	127.6
	Soldier Creek	951.4	35.1		
<u>Uintah</u>	Bottle Hollow	11.5	11.1	11.1	10.6



# UTAH'S WINTER SNOWPACK

Data based on 79 selected snow courses

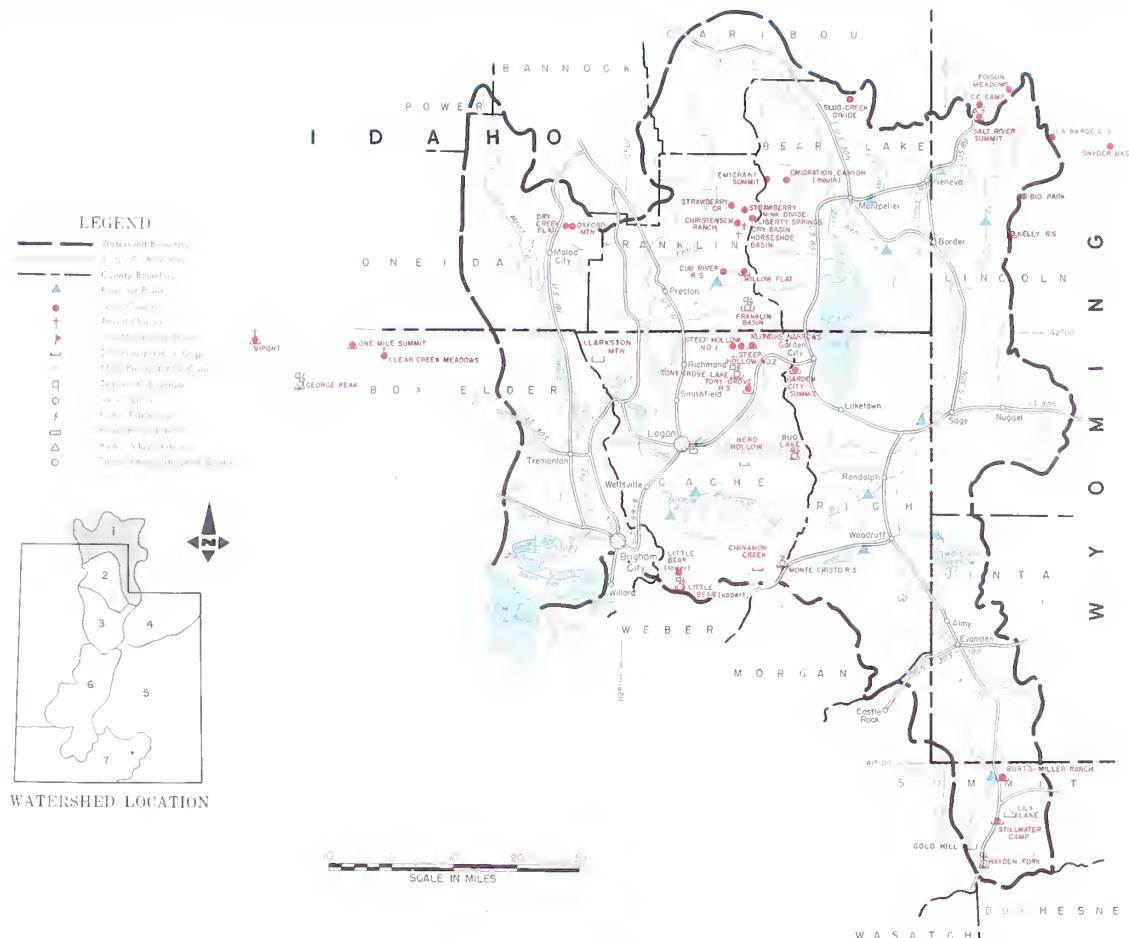




# **WATER SUPPLY OUTLOOK**

## **BEAR RIVER BASIN in UTAH**

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

## THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 86% of the April 1 average on the Upper Bear to 106% on the Lower Bear. Logan River is 91% of average.

PRECIPITATION at mountain stations ranged from 107% of the March average for Garden City Summit to 207% at Little Bear Upper.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is now 107% of average and 77% of capacity.

STREAMFLOW FORECASTS generally increased 5 to 17% and range from 79% of average for Little Bear to 128% for Big Creek. Bear River is forecast 117% at Utah-Wyoming line, 122% at Woodruff, 116% at Randolph, and 80% of the April-September average at Harer, Idaho. Smiths Fork is forecast 80% and Thomas Fork 94%. Logan River is forecast 89%, Blacksmith Fork 98% and Woodruff Creek 83% of the April-July average. Cub River is forecast 95% of average.

All water users should have a near average supply this season. Some late season shortages may occur where storage is not available.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST THOUSAND ACRE FEET	PERCENT OF PAST RECORD	FORECAST PERIOD	THOUSAND ACRE FEET
	Last Year	Average †	Last Year	Average †
<b>BEAR RIVER</b>				
Bear nr UT-Wyo. State Line	133	117	Apr-July	146 114
Bear nr Woodruff	180	122	Apr-July	190 148
Woodruff Crk nr Woodruff, UT	15.2	83	Apr-July	-- 18.4b
Big Creek nr Randolph, UT	6.9	128	Apr-July	-- 5.4b
Bear nr Randolph	139	116	Apr-July	145 120
Thomas Fork nr ID-WY State Ln.	33	94	Apr-Sept	-- 35
Smith's Fork nr Border, WY	96	80	Apr-Sept	-- 120
Bear at Hager, Idaho 1/	265	80	Apr-Sept	-- 332
Logan nr Logan 1/	105	89	Apr-July	175 118
Blacksmith Fork nr Hyrum	53	98	Apr-July	83 54
Little Bear nr Paradise	30	79	Apr-June	65 38
Cub River nr Preston, ID	47	95	Apr-Sept	-- 52

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF
	Last Year	Average †
BEAR RIVER	31	70 103
UPPER BEAR RIVER	6	71 86
LOWER BEAR RIVER	25	70 106
LOGAN RIVER	7	67 91
RAFT RIVER	3	94 137

1 - Observed flow corrected for change in storage and diversions  
 2 - Inflow record as computed by U. S. Bureau of Reclamation  
 3 - Provisional flows - Subject to Correction  
 a - Partly estimated  
 b - Average of all past record - less than 15 years  
 e - Maximum mean daily peak flow  
 + - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	1101.5	957.6	1039.5
	Woodruff Narrows	57.3	36.4e	34.7	23.8
	Woodruff Creek		3.5e		
LITTLE BEAR	Hyrum	15.3	10.6e	10.2	12.4
	Porcupine	11.3	4.6e	6.0e	5.2

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek nr Randolph	60-100	63
Logan River nr Logan	900-1200	1016
Woodruff Creek nr Woodruff	213-357	267
Little Bear nr Paradise	360-550	507
Bear nr. Ut.-Wyo. Stateline	1500-2230	1600

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
				Last Year
Burts-Miller Ranch	3/28	20	4.8	6.1
Cub River R.S.	3/27	17	5.3	10.2
Emigrant Summit	3/31	78	26.1	36.7
Franklin Basin	3/27	74	24.6	35.3
Hayden Fork	3/28	54	14.4	20.0
Klondike Narrows	3/26	54	18.2	28.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR		PAST RECORD	
	NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)
Little Bear Lower		3/26	32	9.0
Little Bear Upper		3/26	41	10.8
Monte Cristo		3/26	71	23.4
Salt River Summit		3/30	47	14.0
Stillwater Camp		3/28	40	10.0
Tony Grove R.S.		3/26	30	10.4

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

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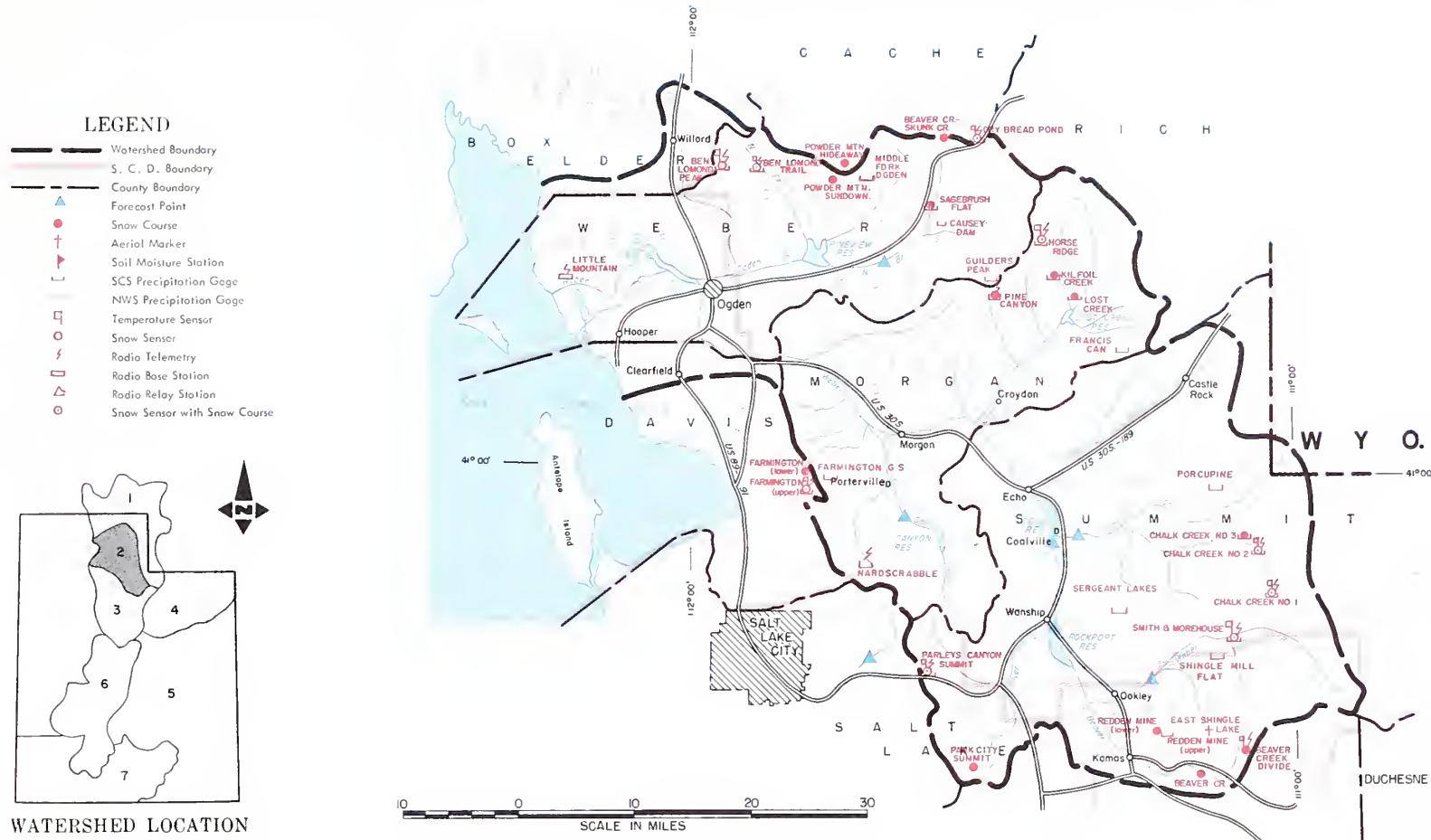
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

### THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER is 120% of the April 1 average on Ogden Watershed and 81% of last year. Weber River snow cover is 119% of average and 89% of last year. Farmington upper has set a new water content record for April 1st at 45.1 inches of water.

PRECIPITATION at mountain stations ranged from 119% of the March average at Horse Ridge to 273% at Ben Lomond Trail.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is 142% of average on the Ogden River and 117% on Weber River.

STREAMFLOW FORECASTS range from 86% of the April-July average on Lost Creek to 157% for Farmington Creek. Ogden River forecasts are 97% for the South Fork and 111% for Pineview Inflow. Weber River forecasts are 107% at Oakley, 109% for Rockport Inflow, 106% at Coalville, 109% for Echo Inflow, 108% at Gateway, 117% for Chalk Creek, 108% for East Canyon Creek and 118% for Hardscrabble.

All water users are expected to have adequate water supplies this season.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM AND FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousands Acre Feet	Percents of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average <sup>a</sup>
WEBER-OGDEN RIVERS					
Weber nr Oakley	111	107	Apr-June	133	104
Rockport Reservoir Inflow 1/	122	109	Apr-June	172	112
Chalk Creek at Coalville	46	117	Apr-June	61	40
Weber nr Coalville	131	106	Apr-June	175	123
Lost Creek nr Croydon, UT	15.0	86	Apr-June	24	17.4 <sup>b</sup>
East Canyon Creek nr Morgan 1/	28	108	Apr-June	44	26
Hardscrabble Crk nr Porterville	22	118	Apr-June	--	18.6 <sup>b</sup>
South Fork Ogden nr Huntsville	55	97	Apr-June	92	57
Pineview Reservoir Inflow 2/	127	111	Apr-June	168	115
Echo Reservoir Inflow	175	109	Apr-June	215	160
Weber at Gateway	336	108	Apr-June	396	310
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	12.7	157	Apr-July	--	8.1 <sup>b</sup>

SUMMARY OF SNOW MEASUREMENTS

RIVER BASIN AND SUB-BASIN	THIS YEAR AS A PERCENT OF PAST RECORD		
	PERCENT	PERCENT	
OGDEN RIVER WEBER RIVER	5 12	81 89	120 119

1 - Observed flow corrected for change in storage and diversions  
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 3 - Provisional flows - Subject to Correction  
 a - Partly estimated  
 b - Average of all past record - less than 15 years  
 e - Maximum mean daily peak flow  
 + - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Volume Capacity	VARIABLE STORAGE		
			THIS YEAR	LHM YR	AVERAGE <sup>c</sup>
OGDEN	Causey	6.9	1.4	1.1	2.5
	Pineview	110.1	79.8	78.6	55.8
WEBER	East Canyon	48.1	38.9	32.4	29.0
	Echo	73.9	52.2	44.2	50.7
	Lost Creek	20.0	15.2	12.5	13.1
	Rockport	60.9	44.5	28.4	32.5
	Willard Bay	193.3	167.0	157.6	145.6

PEAK FLOWS <sup>d</sup>

FORECAST POINT	PEAK FLOW BY ORDER POINT	
	PAST RECORD	AVERAGE <sup>e</sup>
Lost Creek nr Croydon	180-300	220
South Fork Ogden nr Huntsville	600-900	772
Chalk Creek nr Coalville	490-830	568
Weber nr Oakley	1480-1940	1560

SNOW

DRAINAGE BASIN AND SUB-COURSE	THIS YEAR			PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Upper Course (Inches)	Upper Course Total (Inches)	Last Year	Average <sup>f</sup>
Beaver Creek R.S.	3/29	29	9.8	11.4	7.2	
Beaver Creek-Skunk Creek	3/26	34	11.7	17.1	12.0	
Ben Lomond Peak	3/26	131	45.0	51.0	34.1	
Ben Lomond Trail	3/26	65	23.6	24.9	16.2 <sup>b</sup>	
Chalk Creek #1	3/28	85	24.1	31.3	22.4	
Chalk Creek #2	3/28	58	15.5	19.5	15.6	
Chalk Creek #3	3/28	28	7.8	9.7	7.5	
Dry Bread Pond	3/26	57	18.7	25.1	18.9	

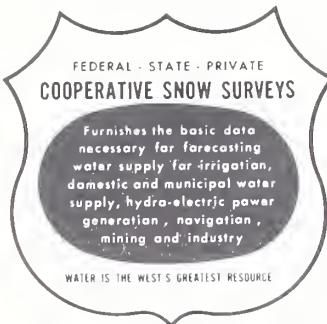
SNOW

DRAINAGE BASIN AND SUB-COURSE	THIS YEAR			PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Upper Course (Inches)	Upper Course Total (Inches)	Last Year	Average <sup>f</sup>
Horse Ridge	3/26	63	20.8	30.2	21.9 <sup>b</sup>	
Lost Creek Reservoir	3/26	0	0.0	4.4	2.0 <sup>b</sup>	
Monte Cristo	3/26	71	23.4	32.6	25.9	
Parleys Canyon Summit	3/29	74	21.4	23.9	18.5	
Sagebrush Flat	3/26	4	1.0	4.8	2.0	
Smith & Morehouse	3/28	47	13.8	16.3	12.9	
Trial Lake	3/29	83	26.8	35.5	23.5	

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



**APRIL 2, 1983**

### THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

**SNOW COVER** received much above average March increases and now varies from 191% of the April 1 average on Parowan Creek to 265% on Enterprise-New Harmony area. Coal Creek is 255% of average and Virgin River 220%. Brian Head, Tall Poles and SUSC Ranch set new maximum water content records for April 1st.

**PRECIPITATION** at mountain stations varied from 207% of the March average at Yankee Reservoir to 497% at Little Grass above Enterprise Reservoirs.

**SOIL MOISTURE** is above average.

**RESERVOIR STORAGE** is above average with most local reservoirs reported full and spilling.

**STREAMFLOW FORECASTS** now range from 114% of average for Lake Powell Inflow to 243% for the Santa Clara for the April-June period. Coal Creek is forecast 210% and Virgin River 235% of average.

Peak flows are expected to be much higher than usual this year and precautions should be taken to protect property near stream channels.

Excellent water supplies are expected for all water users this season.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD		SUMMARY OF SNOW MEASUREMENTS				
	THOUSAND ACRE FEET	PAST AVERAGE	FORECAST PERIOD	THOUSAND ACRE FEET	LAST YEAR	AVERAGE	RIVER NAME	ONE OR TWO WATER YEARS	THREE WATER YEARS	THIS YEAR AS A PERCENT OF AVERAGE
VIRGIN RIVER							COAL CREEK	3	210	255
Virgin nr Hurricane Santa Clara nr Pine Valley	115 10.0	235 243	Apr-June Apr-June	52 --	48.5 4.1		VIRGIN RIVER	3	205	220
COAL CREEK							PAROWAN CREEK	4	141	191
Coal Creek nr Cedar City	35	210	Apr-July	22	17.0		ENTERPRISE - NEW HARMONY	2	276	265
UPPER COLORADO										
Lake Powell Inflow	7900	114	Apr-July	--	6952.0					

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 e - Maximum mean daily peak flow  
 + - 1963-77 15 year Average Period

RESERVOIR STORAGE (Thousand Acre Feet)

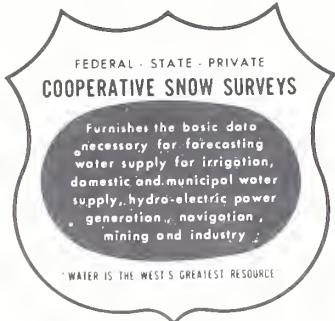
BASIN OR STREAM	RESERVOIR	THIS YEAR			PAST RECORD			PEAK FLOWS "		
		USING LATEST LEVEL	LAST YEAR	CHANGE	USING LATEST LEVEL	LAST YEAR	CHANGE	PREDICTED PEAK FLOW	PREDICTED PEAK FLOW	AVERAGE
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	22603.0 445.8	19635.0 219.9	--			Coal Creek nr Cedar City Virgin nr Virgin	500-700 1000-1400	245 631b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD			SNOW			THIS YEAR			PAST RECORD		
	Date of Survey	Snow Depth Inches	Snow Content Inches	Date of Survey	Snow Depth Inches	Snow Content Inches	Name	Date of Survey	Snow Depth Inches	Snow Content Inches	Name	Date of Survey	Snow Depth Inches	Snow Content Inches	
Birch Crossing	3/29	36	11.7	10.5	5.3b		Long Valley Junction	3/29	18	5.3	0.4e	2.7			
Brian Head	3/30	99	34.3	24.6	19.9b		SUSC Ranch	3/29	57	24.0	8.3	6.1b			
Harris Flat	3/29	50	17.4	9.7	6.5		Tall Poles	3/29	70	27.7	18.3	13.8b			
Kolob-Crystal	3/30	112	44.9	24.0	21.8a		Webster Flat	3/30	98	38.2	18.6	15.7			
Little Grassy	3/30	5	1.6	0.8	2.0		Yankee Reservoir	3/30	53	17.9	11.4	9.0			
Long Flat	3/30	46	18.3	6.4	5.3										

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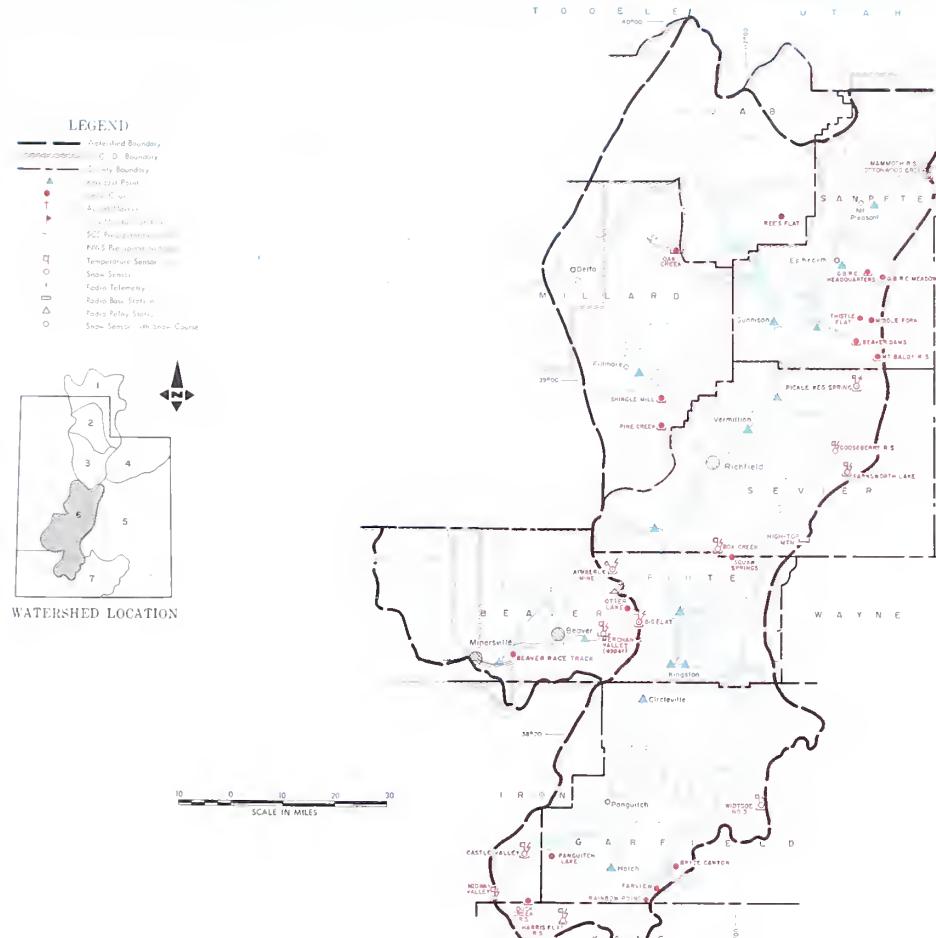
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 166% of average on the Lower Sevier to 224% on the South Fork Sevier above Kingston. The East Fork is 211% and Beaver River 206% of the April 1 average. Several snow courses have set new records for April 1st water content.

PRECIPITATION at mountain stations ranged from 145% of the March average at Box Creek to 344% at Duck Creek Ranger Station. Most stations had two to three times average precipitation for the month.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is well above average with most reservoirs near full and releasing water.

STREAMFLOW FORECASTS range from 213% for Salt Creek near Nephi to 515% for Minersville Inflow. Other streams forecast 2 to 3 times average are: the Sevier at Hatch 293%, Kingston 304%, Gunnison 270%, Salina Creek 225%, Chalk Creek 307%, Ephraim Creek 228%, Chicken Creek 310%, Oak Creek 257% and Beaver River 266% of the April-July average.

Peak flows are expected to be much higher than average and precautions should be taken to protect property near stream channels.

**SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH**

**STREAMFLOW FORECASTS**

BASIN STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD		
	FORECAST Thousands Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET	Last Year	Average †
<b>SEVIER RIVER</b>						
Sevier at Hatch	120	293	Apr-July	--	41	
Sevier nr Circleville	87	300	Apr-July	--	29	
Sevier nr Kingston	70	304	Apr-July	--	23	
Antimony Crk nr Antimony	180	261	Apr-July	--	6.9	
East Fork Sevier nr Kingston	40	263	Apr-July	--	15.2	
Sevier below Piute Dam	105	291	Apr-July	--	36	
Clear Crk nr Sevier (abv Div)	40	225	Apr-July	--	17.8	
Sigurd to Gunnison	70	269	Apr-July	--	--	
Kingston to Vermillion Dam	140	250	Apr-June	--	56	
Vermillion Dam to Gunnison	85	271	Mar-June	--	35	
Salina Creek at Salina	25	225	Apr-June	--	11.1	
Sevier nr Gunnison	135	270	Apr-July	--	50	
Chalk Creek nr Fillmore	50	307	Apr-July	--	16.3	
Chicken Creek nr Levan	9.6	310	Apr-July	6.0	3.1	
Oak Cr. nr Oak City	3.6	257	Apr-July	1.9	1.4	
Ephraim Creek nr Ephraim	33	228	Apr-July	--	14.5	
Pleasant Crk nr Mt. Pleasant	18.5	220	Apr-July	--	8.4	
Salt Creek nr. Nephi	26	213	Apr-July	--	12.2	
Beaver nr Beaver	53	266	Apr-July	31	20	
North Creek (Combined)	33	241	Apr-July	--	13.7b	
Minersville Inflow	34	515	Apr-June	--	6.6	

RESERVOIR STORAGE (Thousands Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
<b>SEVIER RIVER</b>	Gunnison	18.2	15.7	18.2	16.5
	Otter Creek	52.5	50.2	50.7	37.3
	Piute	71.8	58.0	65.9	49.9
	Sevier Bridge	236.0	232.0	234.0	146.8
<b>BEAVER RIVER</b>	Minersville (Rky Fd)	23.3	24.6	19.6	14.9

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
8fg Flat	3/30	98	31.2	25.4	16.1
Bryce Canyon	3/29	37	12.4	5.4a	3.1
Castle Valley	3/30	70	26.0	15.1	11.3
Duck Creek	3/29	80	25.4	16.0	11.5
Farnsworth Lake	3/29	83	25.9	26.0	19.5
Gooseberry R.S.	3/29	47	15.0	14.7	12.0
Harris Flat	3/29	50	17.4	9.7	6.5
Kimberly Mine	3/30	72	24.5	18.9	15.8

**SUMMARY OF SNOW MEASUREMENTS**

SUMMARY OF SNOW MEASUREMENTS		COMPARISON WITH PREVIOUS YEARS	
RIVER BASIN and/or SUB-WATERSHED	Number of Courses Assessed	THIS YEAR AS A PERCENT OF	Average
UPPER SEVIER RIVER			
East Fork Sevier	3	149	211
South Fork Sevier	6	173	224
LOWER SEVIER	14	121	166
BEAVER RIVER	3	130	206

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**PEAK FLOWS**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Sevier River at Hatch	900-1300	418
Beaver River nr Beaver	520-780	211
Sevier River nr Kingston	700-900	263
Clear Creek nr Sevier	350-450	170
Salina Creek nr Salina	700-900	235

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Long Valley Junction	3/29	18	5.3	0.4e	2.7
Merchants Valley Upper	3/30	61	21.7	15.2	9.7b
Midway Valley	3/30	121	44.8	24.0	20.1
Oak Creek	3/31	75	25.2	11.9	11.5b
Otter Lake	3/30	81	25.6	19.8	12.3
Pickle Keg Springs	3/29	77	25.8	22.7	16.1b
Pine Creek	3/31	78	30.8	18.8	15.2
Ree's Flat	3/31	68	24.1	17.1	12.2
Widtsoe-Escalante #3	3/29	68	21.5	15.4	9.9

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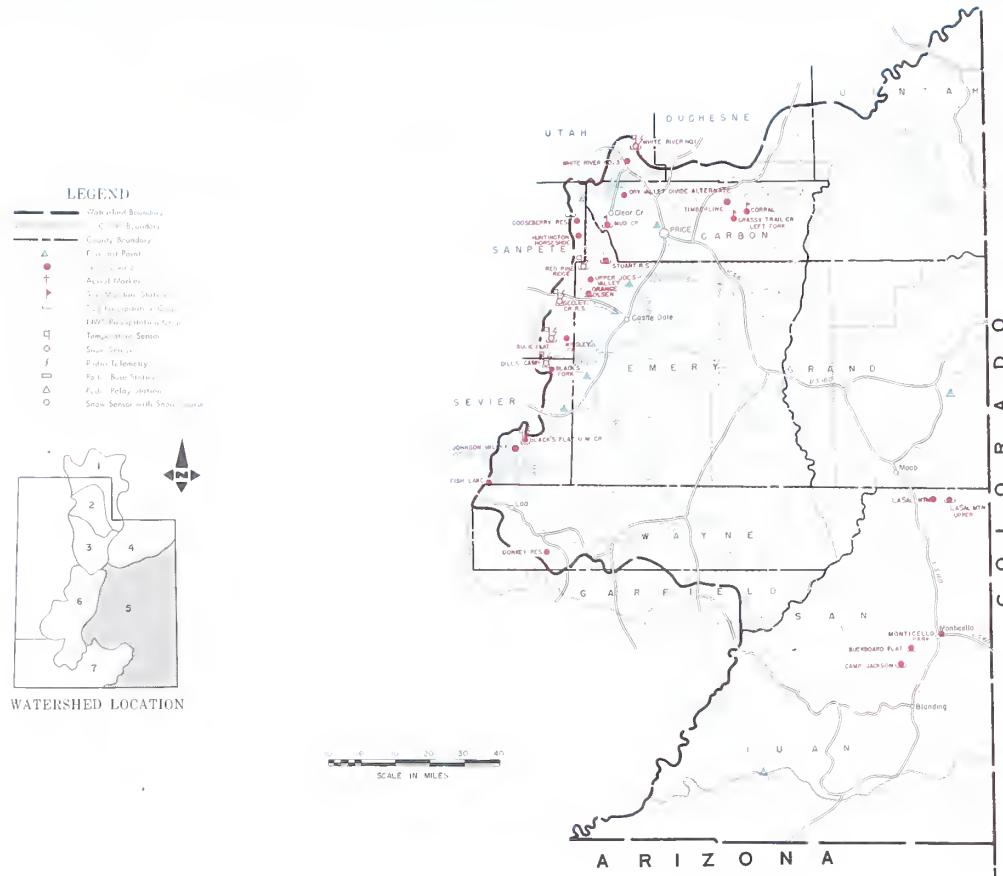
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

### THE WATER SUPPLY OUTLOOK IS MUCH ABOVE AVERAGE

SNOW COVER increased almost three times normal for March at some sites and now ranges from 148% of the April 1 average on the Price River to 200% on the Blue Mountains. San Rafael drainages are 176%, Muddy 154%, Fremont 175% and LaSal Mountains 180% of the April average.

PRECIPITATION at mountain stations ranged from 175% of the March average at Red Pine Ridge to 343% at Camp Jackson above Blanding.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 106% for the Green River to 207% for the Muddy. Other forecasts in the area are as follows: Gooseberry Creek 163%, Scofield Inflow 183%, Price 188%, Huntington Creek 184%, Cottonwood Creek 177%, Ferron Creek 185%, Mill Creek 197%, Seven Mile Creek 136%, San Juan 129%, and Colorado 107% of the April-July average.

Peak flows are expected to be much higher than usual on most streams of the area and precautions should be taken to protect property near stream channels.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousands Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET	LAST YEAR <sup>a</sup>
				AVERAGE <sup>b</sup>	AVERAGE <sup>c</sup>
PRICE RIVER					
Gooseberry Crk nr Scofield	16.5	163	Apr-July	--	10.1
Scofield Reservoir Inflow	65	183	Apr-July	--	36
Price nr Heiner <u>1/</u>	120	188	Apr-July	--	64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	85	184	Apr-July	--	49b
Cottonwood Crk nr Orangeville	78	177	Apr-July	65	44b
Ferron Creek nr Ferron	63	185	Apr-July	49	34
MUDDY CREEK					
Muddy Creek nr Emery	35	207	Apr-July	27	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	2900	107	Apr-July	--	2716
Green at Green River, UT	3145	106	Apr-July	--	2974
Mill Creek nr Moab	10.0	197	Apr-July	4.2	5.1b
Navajo Reservoir Inflow	785	129	Apr-July	--	608
San Juan nr Bluff, UT	1120	129	Apr-July	--	865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	8.7	136	Apr-July	7.2	6.4
RESERVOIR STORAGE (Thousands Acre Feet)					

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	3	92	148
SAN RAFAEL RIVER	7	113	176
FREMONT RIVER	4	115	175
LASAL MOUNTAINS	2	168	180
BLUE MOUNTAINS	2	210	200
MUDDY RIVER	2	88	154

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PEAK FLOWS <sup>e</sup>

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE			FORECAST POINT	PEAK FLOW (SECOND FEET)	
			This Year	Last Year	Average <sup>f</sup>		Forecast Range	Average
PRICE RIVER	Scofield	65.8	38.3	37.1	36.8	Ferron Creek near Ferron	670-980	422
SAN RAFAEL	Huntington North	3.9	3.7	3.3	3.6	Muddy Creek near Emery	240-370	154
	Joe's Valley	54.6	45.1	31.5	38.0	Huntington Cr. near Huntington	900-1100	--
SAN JUAN	Mill Site	16.7	16.7	7.4	--			
	Navajo	1696.0	1323.7	1231.0	--			
	Kens Lake	2.3	0.9	0.7	--			

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Last Year
NAME					Average <sup>f</sup>
Buck Flat	3/29	84	26.8	28.2	15.4
Buckboard Flat	3/28	62	19.6	11.0	11.7
Camp Jackson	3/28	77	25.5	10.5	10.8
Oills Camp	3/29	58	17.6	20.6	11.4
Ory Valley Divide Alternate	3/28	47	15.1	13.4	--
Huntington-Horseshoe	3/28	131	47.0	31.4	22.7
Mammoth-Cottonwood R.S.	3/28	97	33.6	28.8	20.3

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Last Year
NAME					Average <sup>f</sup>
Monticello City Park	3/29	0	0.0	0.0	--
Mud Creek	3/28	61	18.4	20.0	12.3
Red Pine Ridge	3/28	78	24.0	23.7	16.5
Seeley Creek	3/28	81	26.6	20.4	16.0
White River #1	3/28	58	17.8	18.3	12.8
White River #3	3/28	31	10.0	12.0	6.1

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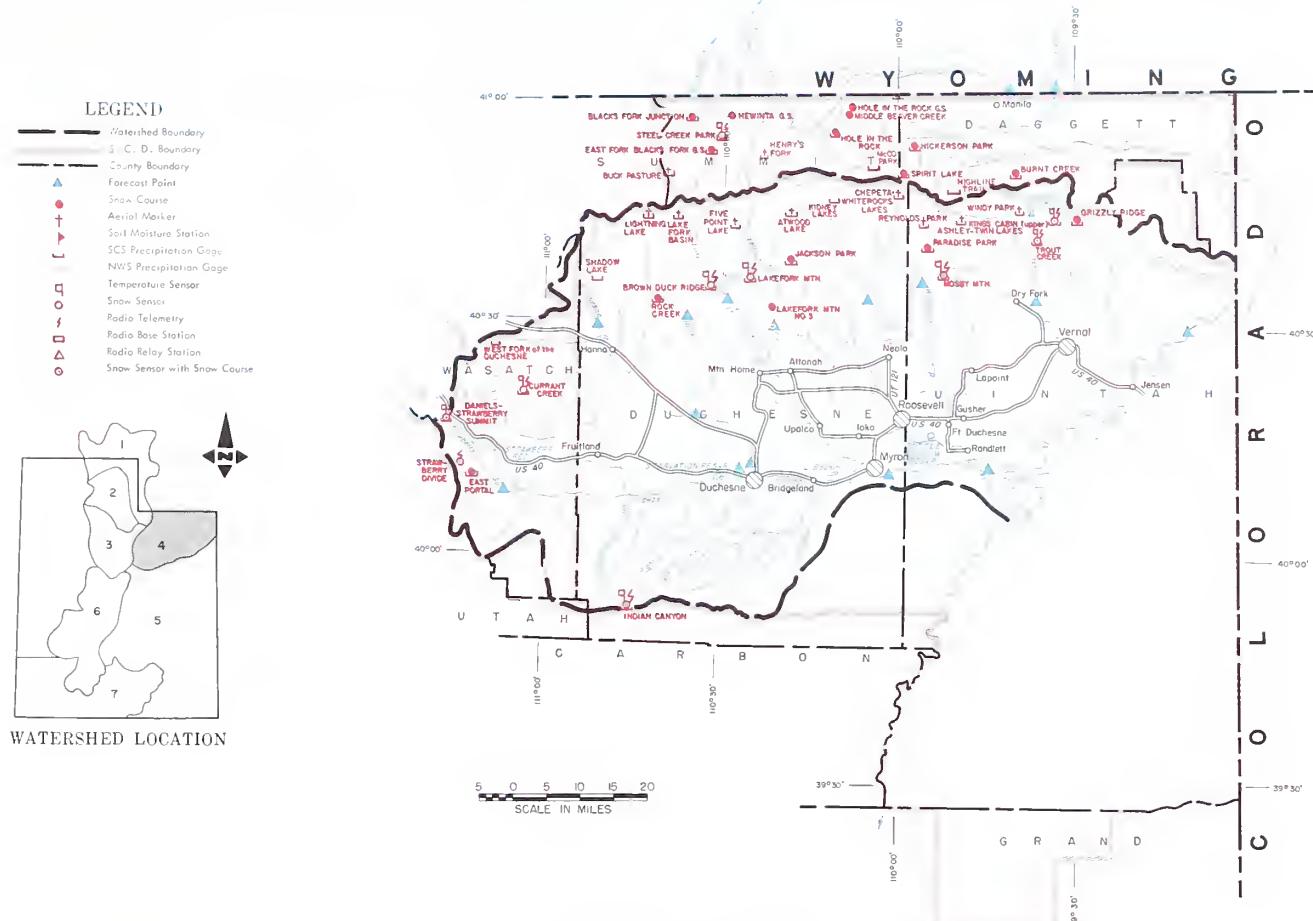
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER now ranges from 110% of the April 1 average on Black's Fork to 183% on the Uintah-Whiterocks. Strawberry River is 148%, Lakefork-Yellowstone 160% and Ashley Creek 161% of average after much above average increases during March.

PRECIPITATION at mountain stations ranged from 133% at East Portal-Strawberry Reservoir to 417% at Hickerson Park. Most other stations received twice normal or better during March.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS raised 12 to 39% after heavier than average increases to the snow pack during March and now range from 112% of the April-July average for Black's Fork to 161% for the Strawberry at Duchesne. Other forecasts are as follows: Duchesne near Tabiona 139%, at Duchesne 135% and Myton 154%. Currant Creek is forecast 137%, Rock Creek 132%, Lakefork 129%, Yellowstone 140%, Uintah 155%, Whiterocks 149%, Henrys Fork 134% and Ashley Creek 154% of the April-July average.

Water users in this area are expected to have above average water supplies this year. Peak flows are expected to be higher than usual and precautions should be taken to protect property near stream channels.

## UNTAH BASIN AND DAGGETT SCU'S IN UTAH

## STREAMFLOW FORECASTS

BASIN STREAM AND OR PREDICTION POINT	TWO YEAR		PAST RECORD		
	PREDICTION THOUSAND ACRE FEET	PREDICTION PERIOD	THOUSAND ACRES FEET	LAST YEAR	AVERAGE +
DUCESNE RIVER					
Duchesne nr Tabiona 1/	149	139	Apr-July	170	107
Duchesne at Duchesne 1/	261	135	Apr-July	264	193
Strawberry at Duchesne	92	161	Apr-July	91	57
Rock Creek nr Mtn. Home	125	132	Apr-July	112	95
Current Creek nr Fruitland	28	137	Apr-July	32	20
Lakefork below Moon Lake 1/	93	129	Apr-July	79	72
Yellowstone nr Altonah	94	140	Apr-July	74	67
Duchesne at Myton 1/	323	154	Apr-July	275	210
Whiterocks nr Whiterock	89	149	Apr-July	62	60
Uintah nr Neola	138	155	Apr-July	90	89
Duchesne at Randlett 1/	417	157	Apr-July	336	266
West Fork Duchesne at Hanna	37	142	Apr-July	--	26
FLAMING GORGE TO DUCESNE RIVER					
Henry's Fork nr Manila	72	134	Apr-Sept	38	54
Black's Fork at Millburne	103	112	Apr-July	95	92
Flaming Gorge Inflow 1/			Apr-July	--	1292
Ashley Creek nr Vernal	79	154	Apr-July	50	51

## SUMMARY OF SNOW MEASUREMENTS (COMPARED WITH PREVIOUS 10 YEARS)

RIVER & BASIN AND OR SUBDIVISION	NUMBER OF COURSES MEASURED	THIS YEAR AS A PERCENT OF LAST YEAR	AVERAGE
DUCESNE RIVER - TOTAL	12	105	159
LAKEFORK-YELLOWSTONE CREEKS	4	109	160
STRAWBERRY RIVER	5	98	148
UINTAH - WHITEROCKS RIVERS	3	115	183
ASHLEY CREEK	1	118	161
BLACK'S FORK	4	83	110
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d - 1963-77 15 year Average Period			

## RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	CAPACITY THOUSAND ACRE FEET	USEABLE STORAGAE		
			THICK	LOFTED	AVERAGE +
ASHLEY CREEK	Steinaker	33.3	30.6	24.4	23.4
GREEN RIVER	Flaming Gorge	3749.0	3173.8	2662.0	--
LAKE FORK	Moon Lake	35.8	31.9	20.5	19.6
STRAWBERRY	Starvation	165.3	117.0	139.1	127.6
UINTAH	Bottle Hollow	11.3	11.1	11.1	10.6

## SNOW

DRAINAGE BASIN AND OR SNOW COURSE NAME	TWO YEAR		PAST RECORD	
	DATE OF SURVEY	SNOW DEPT. (INCHES)	DEEP CONTENT (INCHES)	
			LAST YEAR	AVERAGE +
Brown Duck Ridge	3/29	86	26.2	26.3
Currant Creek	3/27	42	14.3	12.6
Daniels-Strawberry	3/27	58	18.2	20.1
Hewinta G. S.	3/28	44	10.8	12.5
Hickerson Park	3/28	43	10.0	7.5
Hole-In-The-Rock	4/1	40	8.6	6.5 <sup>b</sup>
Jackson Park	3/29	71	20.2	16.8
Kings Cabin Upper	3/29	60	15.8	13.4

## PEAK FLOWS

PREDICTION POINT	PEAK FLOW (SECOND FEET)	
	PREDICTION RANGE	AVERAGE +
Strawberry at Duchesne	1060-1480	656
Ashley Creek nr Vernal	1020-1520	1030

## SNOW

DRAINAGE BASIN AND OR SNOW COURSE NAME	TWO YEAR		PAST RECORD	
	DATE OF SURVEY	SNOW DEPT. (INCHES)	DEEP CONTENT (INCHES)	
			LAST YEAR	AVERAGE +
Lakefork Mountain	3/29	59	16.5	14.7
Mosby Mountain	3/29	62	16.4	13.3
Paradise Park	3/29	77	21.9	20.6
Rock Creek Ranch	3/29	37	10.5	8.6
Spirit Lake	3/28	65	18.4	17.0
Steel Creek Park	3/28	70	18.5	20.6
Strawberry Divide	3/30	69	22.8	26.0
Trout Creek	3/29	64	17.8	13.0

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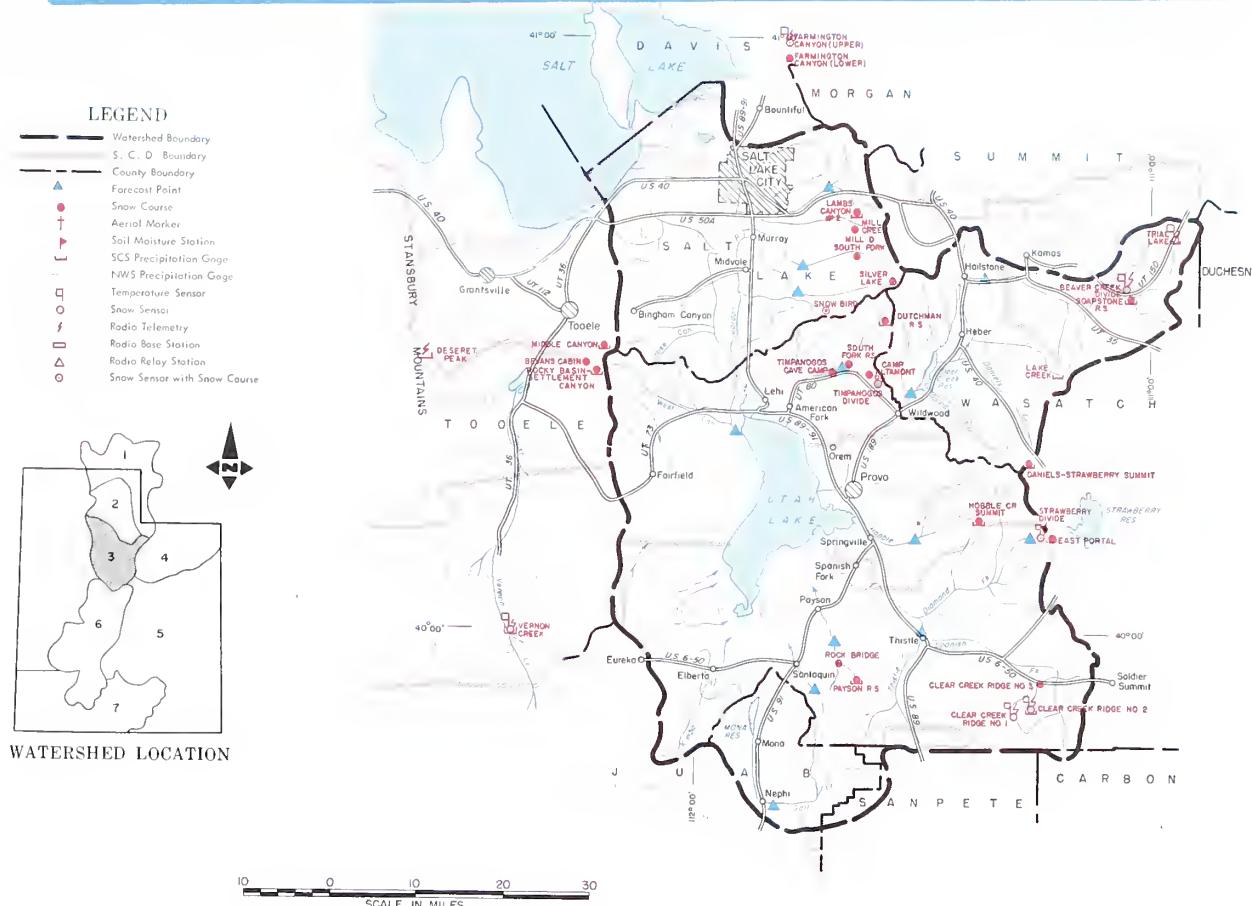
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# **WATER SUPPLY OUTLOOK**

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



APRIL 1, 1983

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 124% of the April 1 average for Jordan River and Salt Lake Front to 159% for Tooele Valley. Provo River and Utah Lake are now 148% of average. These areas increased 10 to 36% in percent of average during March.

PRECIPITATION at mountain stations ranged from 174% of the March average at Payson Ranger Station to 265% at Dutchman Ranger Station. Most other areas were twice average or better.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average with Strawberry almost full and Utah Lake 2.40 feet above compromise and releasing as much as possible down the Jordan River.

STREAMFLOW FORECASTS range from 137% of the April-July average for Little Cottonwood to 300% for Vernon Creek. Other forecasts are as follows: Provo near Hailstone 142%, below Deer Creek Dam 154%, and Utah Lake Inflow 143%. Payson Creek is forecast 159%, Spanish Fork 167%, Hobble Creek 152% and American Fork 153%. Big Cottonwood is forecast 153%, Mill Creek 159%, Parleys Creek 182%, Emigration 175% and City Creek 175%. South Willow is forecast 166% near Grantsville and Settlement Creek 222% near Tooele.

Peak flows are expected to be higher than usual and precautions are already being taken to protect property near stream channels.

UTAH LAKE, JORDAN RIVER AND TOOKELE VALLEY WATERSHEDS IN UTAH

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST THousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET
	Last Year	3	Average	†
<b>PROVO RIVER AND UTAH LAKE</b>				
Provo nr Hailstone 1/	145	142	Apr-July	153 102
Provo below Deer Creek Dam 1/	185	154	Apr-July	-- 120
American Fork nr American Fork	48	153	Apr-July	-- 31
Hobble Creek nr Springville	30	152	Apr-July	-- 19.7b
Strawberry Reservoir Inflow 1/	77	148	Apr-July	95 52
Spanish Fork at Thistle	65	167	Apr-July	-- 39b
Payson Creek nr Payson	10.0	159	Apr-July	-- 6.3
Utah Lake Inflow	350	143	Apr-July	-- 244
<b>JORDON RIVER &amp; SALT LAKE</b>				
Little Cottonwood Crk nr SLC	52	137	Apr-July	-- 38
Big Cottonwood nr SLC	58	153	Apr-July	-- 38
Parley's Creek nr SLC	28	182	Apr-July	-- 15.4
Mill Creek nr SLC	10.0	159	Apr-July	-- 6.3
Emigration Creek nr SLC	7.0	175	Apr-July	-- 4.0
City Creek nr SLC	14.0	175	Apr-July	-- 8.0
<b>TOOELE VALLEY</b>				
Settlement Crk nr Tooele	5.1	222	Apr-July	-- 2.3
S. Willow Crk nr Grantsville	4.8	166	Apr-July	4.2 2.9
Vernon Creek nr Vernon	2.1	300	Apr-June	1.6 0.7

**RESERVOIR STORAGE (Thousand Acre Feet)**

BASIN OR STREAM	RESERVOIR	Usable Capacity	USABLE STORAGE		
			This Year	Last Year	Average
SPANISH FORK	Strawberry	270.0	256.8	182.0	156.9
UTAH LAKE	Utah Lake	883.9	1134.0	883.9	752.0
	Settlement Creek	1.2	0.9	0.6	--
	Vernon Creek	0.6	0.4	0.5	--
PROVO	Deer Creek	149.7	112.3	115.0	108.7

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	
			Last Year	Average
Bevans Cabin	3/26	56	15.3	12.2
Camp Altamont	3/31	62	25.0	27.2
Clear Creek #1	3/28	74	24.3	24.8
Clear Creek #2	3/28	60	17.4	20.0
Clear Creek #3	3/28	26	8.7	8.6
Daniels-Strawberry Summit	3/27	58	18.2	20.1
Deseret Peak	3/30	112	39.9	44.8e
Dutchman R.S.	3/31	78	25.6	28.4
Hobble Creek Summit	3/27	58	19.7	19.4
Lambs Canyon #2	3/29	62	19.8	23.1
Middle Canyon	3/26	75	18.2	14.2
Mill Creek	3/30	78	24.1	26.8

**SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)**

RIVER BASIN and/or SUBWATERSHED	Number of Courses Measured	THIS YEAR AS A PERCENT OF Last Year	Average
PROVO RIVER & UTAH LAKE	12	92	148
JORDON RIVER & SALT LAKE	2	84	124
TOOELE VALLEY	4	138	159

1 - Observed flow corrected for change in storage and diversions  
 3 - Provisional flows - subject to correction  
 a - Partly estimated  
 b - Average of past record - less than 15 years  
 + - 1963-77 15 year average period  
 e - Maximum daily peak flow

**PEAK FLOWS e**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Big Cottonwood nr Salt Lake City	350-600	210
Little Cottonwood nr Salt Lake City	700-900	482
Provo Near Hailstone	500-600	310

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	
			Last Year	Average
Mill D South Fork	3/30	74	24.6	28.4
Parley's Canyon Summit	3/29	74	21.4	23.9
Payson R.S.	3/31	83	27.9	24.7
Rocky Basin-Settlement Canyon	3/30	131	46.0	36.0
Silver Lake Brighton	3/30	92	31.0	38.0
Soapstone R.S.	3/29	41	11.9	16.2
South Fork R.S.	3/28	50	17.1	9.6
Timpanogos Divide	3/31	91	34.2	38.6
Trial Lake	3/29	83	26.8	35.5
Vernon Creek	3/26	64	22.2	11.5

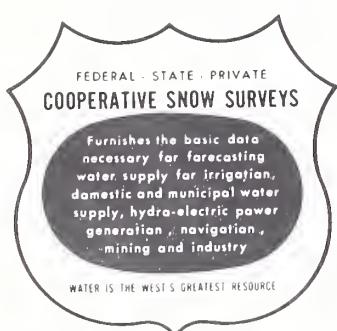
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"The Conservation of Water begins with the Snow Survey"

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
BEAVER RIVER											
Beaver Canyon Power House											
Beaver Race Track	3/30	0	0.0	0.0	--	3/30	9.27	3.00	25.26	15.53	163
Big Flat	3/30	98	31.2	25.4	16.1	3/30	7.14	2.96 <sup>b</sup>	23.79	14.25	167
Merchant's Valley (upper)	3/30	61	21.7	15.2	9.7 <sup>b</sup>						
Otter Lake	3/30	81	25.6	19.8	12.3						
PAROWAN CREEK											
Birch Crossing	3/29	36	11.7	10.5	5.3 <sup>b</sup>	3/29	6.60	3.02 <sup>b</sup>	20.95	14.89 <sup>b</sup>	141
Brian Head	3/30	99	34.3	24.6	19.9 <sup>b</sup>	3/30	5.65	2.73 <sup>b</sup>	17.36	12.13	143
Tall Poles	3/29	70	27.7	18.3	13.8 <sup>b</sup>						
Yankee Reservoir	3/30	53	17.9	11.4	9.0						
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	3/30	5	1.6	0.8	2.0	3/30	10.74	2.16	25.10	14.49	173
Long Flat	3/30	46	18.3	6.4	5.5	3/30	9.22	2.40	18.79	11.63	162
COAL CREEK											
Cedar City Golf Course	3/30	0	0.0	0.0	--						
SUSC Ranch	3/29	57	24.0	8.3	6.1 <sup>b</sup>						
ESCALANTE RIVER											
Widtsoe-Escalante #3	3/29	68	21.5	15.4	9.9	3/29	9.78	2.40	19.24	12.07	159
VIRGIN RIVER											
Kolob-Crystal	3/30	112	44.9	24.0	21.8 <sup>a</sup>	4/1	10.80 <sup>a</sup>	--	36.70 <sup>a</sup>	--	--
Long Valley Junction	3/29	18	5.3	0.4 <sup>e</sup>	2.7	3/30	10.94	4.00	32.00	19.15	167
Webster Flat	3/30	98	38.2	18.6	15.7						

a - Partly Estimated

b - Average of past record in average period - less than 15 years

+ - 1963-77 15 year average period

(A) - Aerial Marker Reading

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
PRICE RIVER											
Dry Valley Divide Alternate	3/28	47	15.1	13.4	--	3/28	6.08	2.56	--	14.25	--
Mud Creek	3/28	61	18.4	20.0	12.3	3/28	4.95	2.14	17.96	13.22	135
White River #1	3/28	58	17.8	18.3	12.8						
White River #3	3/28	31	10.0	12.0	6.1						
SAN RAFAEL RIVER											
Buck Flat	3/29	84	26.8	28.2	15.4	3/28	7.41	2.71	24.04	17.21	140
Huntington-Horseshoe	3/28	131	47.0	31.4	22.7						
Orange Olsen	3/28	26	8.0	7.5	--	3/28	3.03	1.01 <sup>b</sup>	12.28	7.40	166
Red Pine Ridge	3/28	78	24.0	23.7	16.5	3/28	6.18 <sup>a</sup>	3.54	24.18 <sup>a</sup>	19.79	122
Seeley Creek R.S.	3/28	81	26.6	22.4	16.0	3/28	5.31 <sup>a</sup>	--	18.01 <sup>a</sup>	--	--
Stuart R.S.	3/28	40	13.2	13.2	6.5	3/28	4.94	1.20 <sup>b</sup>	13.93	11.62	120
Upper Joe's Valley	3/28	51	15.0	14.6	9.5						
Wrigley Creek	3/29	60	18.0	17.4	10.1						
MUDDY RIVER											
Black's Fork	3/29	60	19.3	21.2	12.6						
Dill's Camp	3/29	58	17.6	20.6	11.4	3/29	5.78	2.30 <sup>b</sup>	20.58	14.40 <sup>b</sup>	143
FREMONT RIVER											
Black's Flat-U.M. Creek	3/29	51	15.9	15.3	10.4	3/29	4.49	2.46 <sup>b</sup>	13.48	12.10 <sup>b</sup>	111
Conkey Reservoir	3/29	35	10.0	10.0	6.9						
Fish Lake	3/29	48	16.0	11.3	7.0	3/29	3.89	1.68	11.60	9.18	126
Johnson Valley	3/29	40	11.3	9.6	6.1						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	3/28	62	19.6	11.0	11.7	3/28	6.25	2.96	23.25	18.14	128
Camp Jackson	3/28	77	25.5	10.5	10.8	3/28	8.60	2.51	27.20	16.78	162
LaSal Mountain (lower)	3/29	63	16.4	8.6	8.6						
LaSal Mountain (upper)	3/29	92	27.7	17.1	15.3	3/29	7.70	3.14	26.05	14.18	184
Monticello City Park	3/29	0	0.0	0.0	--						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	3/29	65	21.5	16.6	12.9	3/29	4.04	2.79	20.03	13.89	144
Bryce Canyon	3/29	37	12.4	5.4 <sup>a</sup>	3.1						
Castle Valley	3/30	70	26.0	15.1	11.3	3/30	9.12	2.77	24.88	13.89	179
Duck Creek R.S.	3/29	80	25.4	16.0	11.5	3/29	11.29	3.28 <sup>b</sup>	34.28	16.53	207
Farview											
Harris Flat	3/29	50	17.4	9.7	6.5	4/1	5.20 <sup>a</sup>	--	18.10 <sup>a</sup>	--	--
Kimberly Mine	3/30	72	24.5	18.9	15.8	3/31	8.39	3.79 <sup>b</sup>	26.99	18.17	148
Midway Valley	3/30	121	44.8	24.0	20.1	3/30	14.10 <sup>a</sup>	3.71 <sup>b</sup>	43.10 <sup>a</sup>	19.17 <sup>b</sup>	225
Panguitch Lake	3/30	41	14.2	4.4	2.9	3.30	5.00	1.38	15.31	7.89	194
Squaw Springs	3/29	44	13.8	10.0	6.6						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	3/28	50	16.9	14.6	10.6	3/28	6.26	2.41	21.28	13.07	163
Farnsworth Lake	3/29	83	25.9	26.0	19.5	3/29	8.38	4.33	24.57	19.56	126
G.B.R.C. Headquarters	3/28	78	24.4	20.7	15.8	3/28	8.21	4.08	26.00	18.29	142
G.B.R.C. Majors	--	--	--	3.8 <sup>a</sup>	--	--	--	1.56 <sup>b</sup>	--	8.51	--
G.B.R.C. Meadows	3/28	111	36.6	34.2	22.4	3/28	10.07	4.10	28.57	21.67	132
G.B.R.C. Oaks						--	--	2.17	--	11.87	--
Gooseberry Reservoir	3/28					3/28	8.65	3.60	27.15	21.71	125
Gooseberry R.S.	3/29	47	15.0	14.7	12.0	3/29	6.18	3.04 <sup>b</sup>	17.80	12.91 <sup>b</sup>	138
Mammoth-Cottonwood Creek	3/28	97	33.6	29.2	20.3	3/28	5.75 <sup>a</sup>	--	16.90 <sup>a</sup>	--	--
Middle Fork	3/29	120	39.7	31.6	23.4						
Mt. Baldy R.S.	3/28	113	36.4	34.7	21.8	3/28	8.16 <sup>a</sup>	3.14	22.25	16.90	132
Oak Creek	3/31	75	25.2	11.9	11.5 <sup>b</sup>	3/31	8.71	--	22.01	13.78 <sup>b</sup>	160
Pickle Keg Springs	3/29	77	25.8	22.7	16.1 <sup>b</sup>	4/1	8.00 <sup>a</sup>	--	28.44 <sup>a</sup>	--	--
Pine Creek	3/31	78	30.8	18.8	15.2	3/31	9.89	4.94	30.33	23.47	129
Ree's Flat	3/31	68	24.1	17.1	12.2	3/31	7.39	--	24.28	--	--
Shingle Mill	3/28	47	14.1	9.4	8.4	3/28	6.24	3.10	22.76	15.68	145
Thistle Flat	3/29	76	24.9	22.2	15.9						

## SNOW

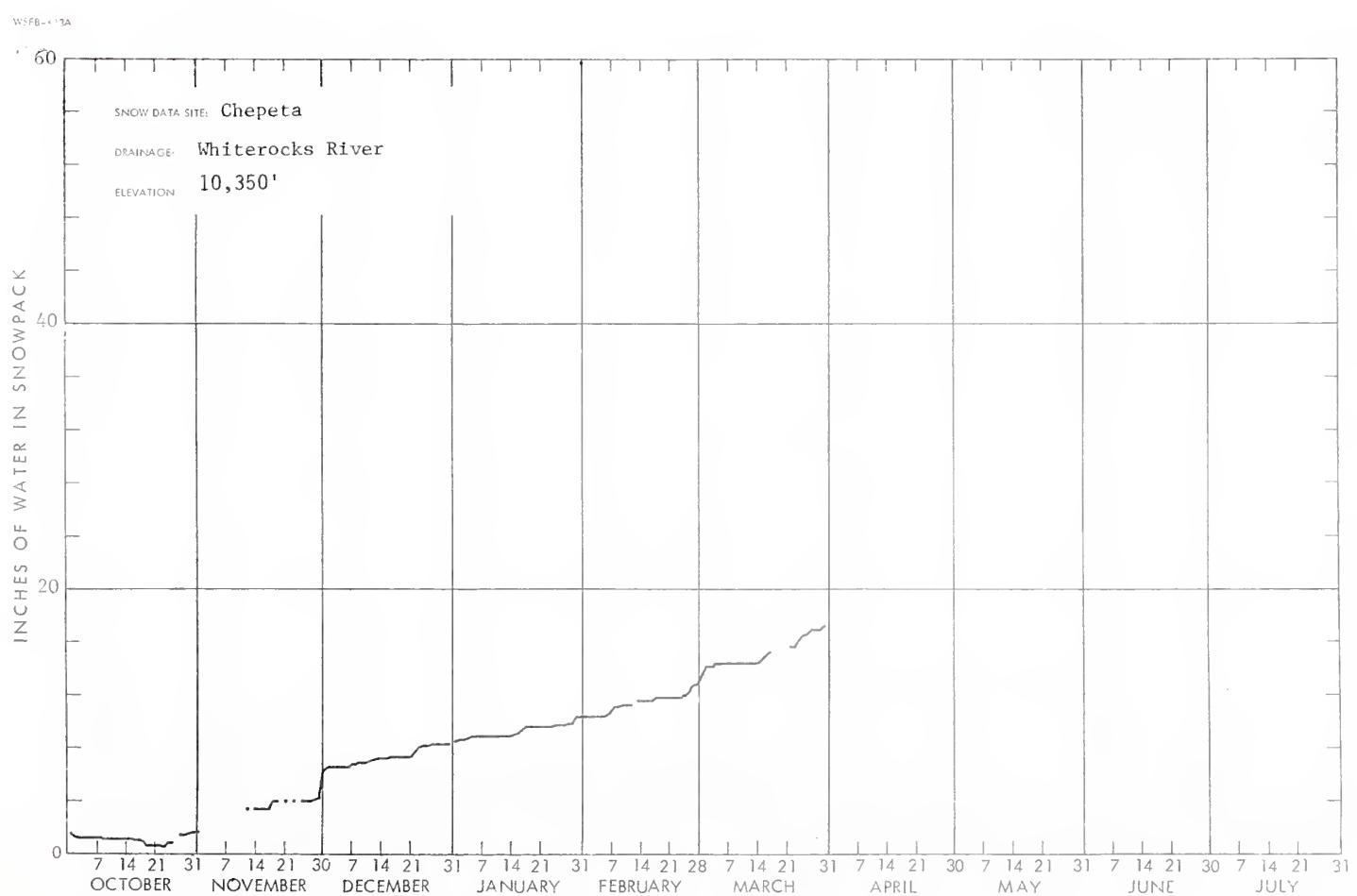
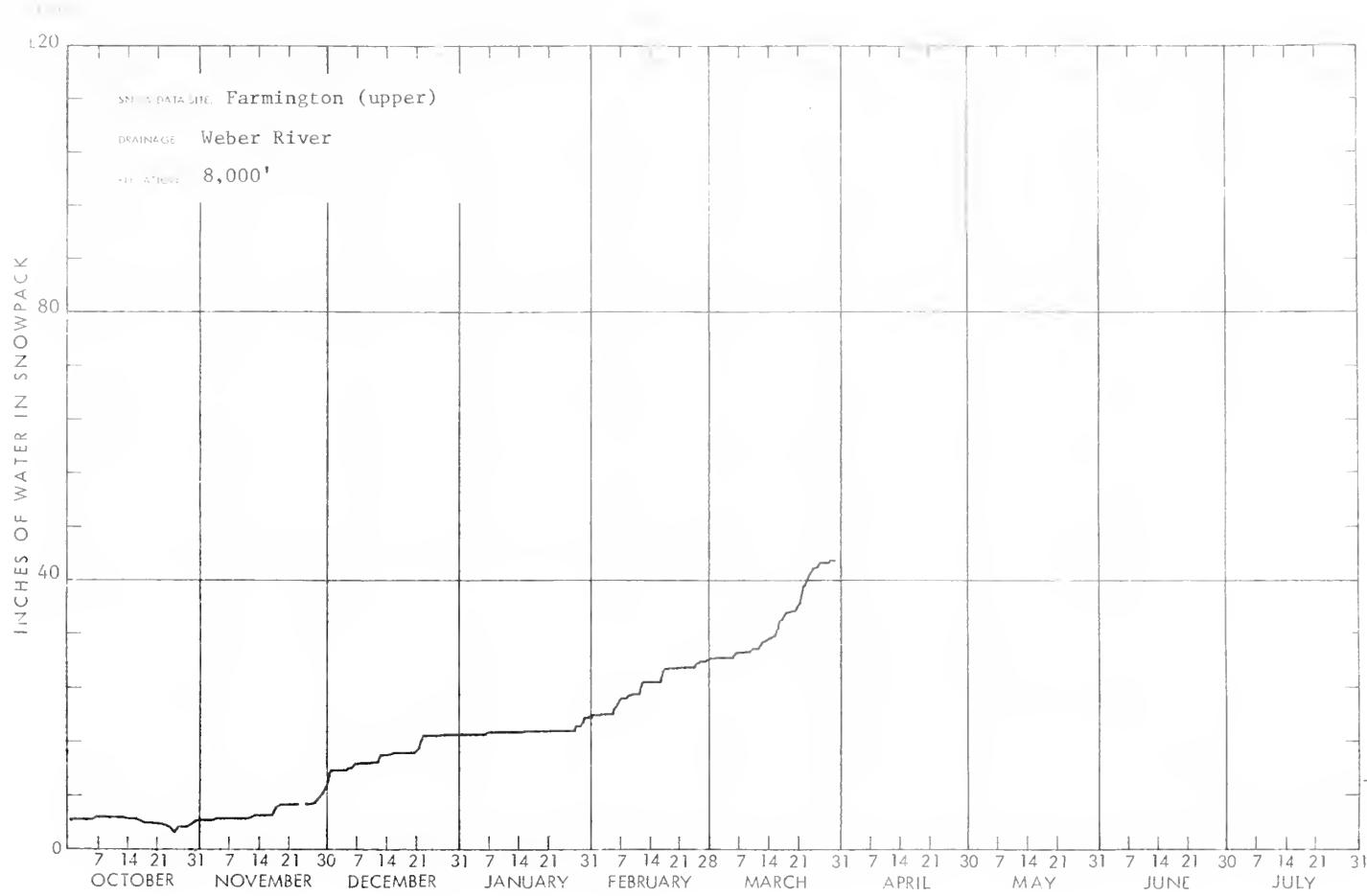
DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD				
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)				
				Last Year	Average +			
<b>GREAT BASIN CONT.</b>								
<b>PROVO RIVER &amp; UTAH LAKE</b>								
Beaver Creek Divide	3/29	46	13.2	16.0	10.8 <sup>a</sup>			
Camp Altamont	3/31	62	25.0	27.2	13.4			
Clear Creek Ridge #1	3/28	74	24.3	24.8	18.2			
Clear Creek Ridge #2	3/28	60	17.4	20.0	13.6			
Clear Creek Ridge #3	3/28	26	8.7	8.6	5.2			
Dutchman R.S.	3/31	78	25.6	28.4	15.4			
Hobble Creek Summit	3/27	58	19.7	19.1	12.9			
Payson R.S.	3/31	83	27.9	24.7	18.4			
Soapstone R.S.	3/29	41	11.9	16.2	11.6			
South Fork R.S.	3/28	50	17.1	9.6	3.2			
Timpanogos Cave Camp	3/28	5	1.3	1.2	0.6			
Timpanogos Divide	3/31	91	34.2	38.6	23.5			
Trial Lake	3/29	83	26.8	35.5	23.5			
<b>JORDAN RIVER &amp; GREAT SALT LAKE</b>								
Bevan's Cabin	3/26	56	15.3	--	11.5			
Deseret Peak	3/30	112	39.9	--	--			
Lamb's Canyon #2	3/29	62	19.8	23.1	--			
Middle Canyon	3/26	75	18.2	14.2	14.1			
Mill Creek	3/30	78	24.1	26.8	--			
Mill D South Fork	3/30	74	24.6	28.4	19.9			
Rocky Basin-Settlement	3/30	131	46.0	--	27.1			
Silver Lake (Brighton)	3/30	92	31.0	28.1	24.9			
Snow Bird (Gad Valley)				--				
Vernon Creek	3/26	64	22.2	11.5	11.2 <sup>a</sup>			
<b>COLORADO RIVER DRAINAGE</b>								
<b>UPPER GREEN RIVER - UTAH</b>								
Ashley-Twin Lakes (A)								
Black's Fork G.S.-East Fork	3/28	40	9.9	12.5	9.0			
Black's Fork Junction	3/28	38	8.9	11.4	9.2			
Buck Pasture (A)								
Burnt Creek	3/30	26	7.4	5.6	--			
Grizzly Ridge	3/30	58	15.2	10.4	--			
Henry's Fork (A)								
Hewinta G.S.	3/28	44	10.8	12.5	9.4			
Hickerson Park	3/28	43	10.0	7.5	5.9 <sup>b</sup>			
Hole-in-the-Rock	4/4	40	8.6	6.5 <sup>a</sup>	5.0			
Hole-in-the-Rock G.S.	4/4	33	6.6	1.4 <sup>a</sup>	1.4			
King's Cabin (upper)	3/29	60	15.8	13.4	9.8			
Middle Beaver Creek	4/4	39	6.6	3.9	4.5			
Reynolds Park (A)								
Spirit Lake	3/28	65	18.4	17.0	12.1			
Steel Creek Park	3/28	70	18.5	20.6	15.6			
Trout Creek	3/29	64	17.8	13.0	--			
<b>DUCESNE RIVER</b>								
Atwood Lake (A)								
Brown Duck Ridge	3/29	86	26.2	26.3	17.4 <sup>a</sup>			
Chepeta	3/28	71	20.0	17.6	--			
Currant Creek	3/27	42	14.3	12.7	7.7			
Daniels-Strawberry Summit	3/27	58	18.2	20.1	13.7			
East Portal	3/30	51	17.2	18.0	10.9			
Five Points Lake (A)								
Indian Canyon	3/27	68	20.3	17.7	12.0			
Jackson Park	3/29	71	20.2	16.8	11.5 <sup>b</sup>			
Lakefork Basin (A)								
Lakefork Mountain #1	3/29	59	16.5	14.7	10.6			
Lakefork Mountain #3	3/29	32	8.9	8.2	5.3			
Lightning Lake (A)								
Mosby Mountain	3/29	62	16.4	13.3	8.6			
Paradise Park	3/29	77	21.9	20.6	11.8			
Rock Creek Ranch	3/29	37	10.5	8.6	5.8			
Strawberry Divide	3/30	69	22.8	26.0	18.5			

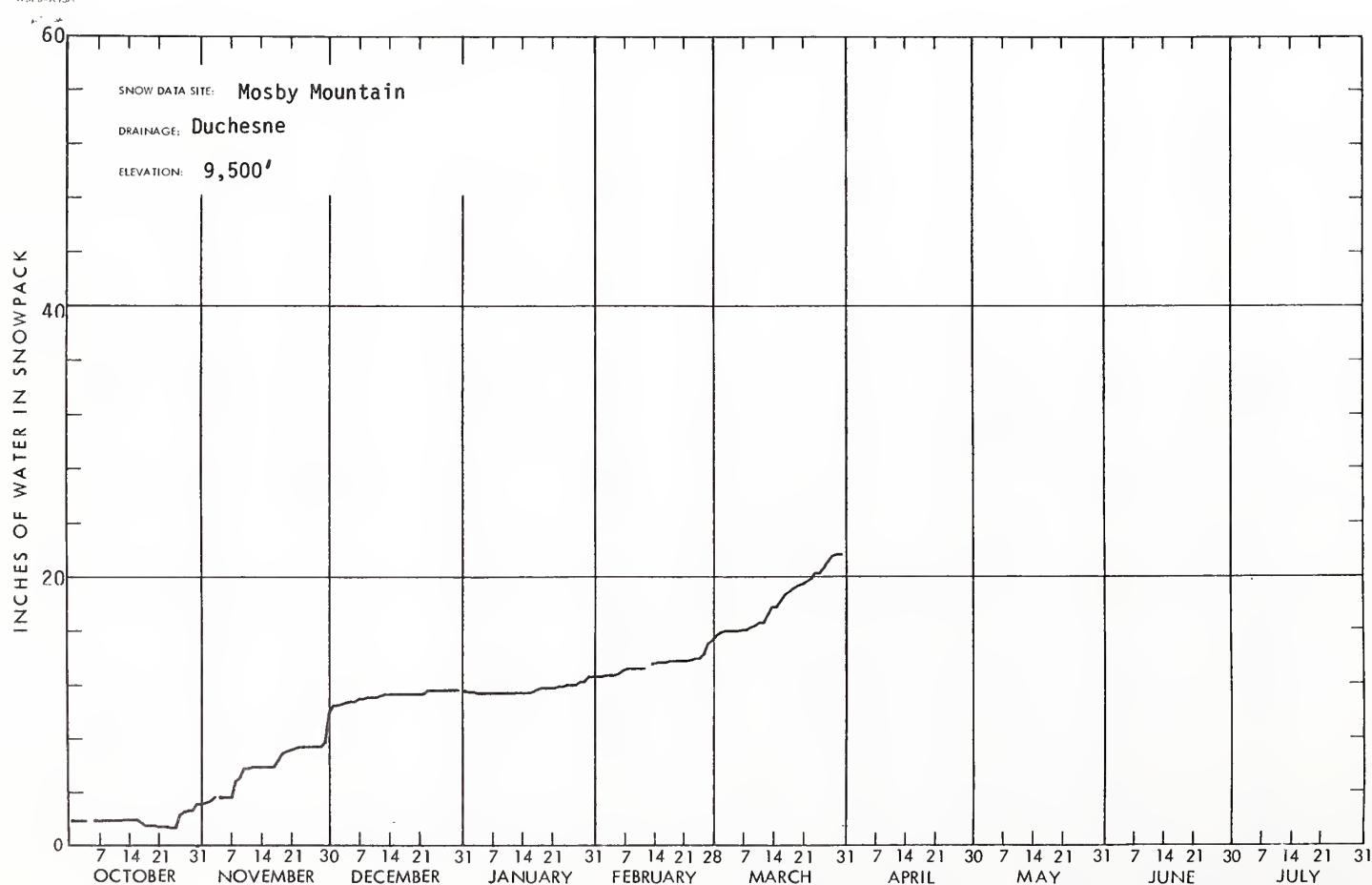
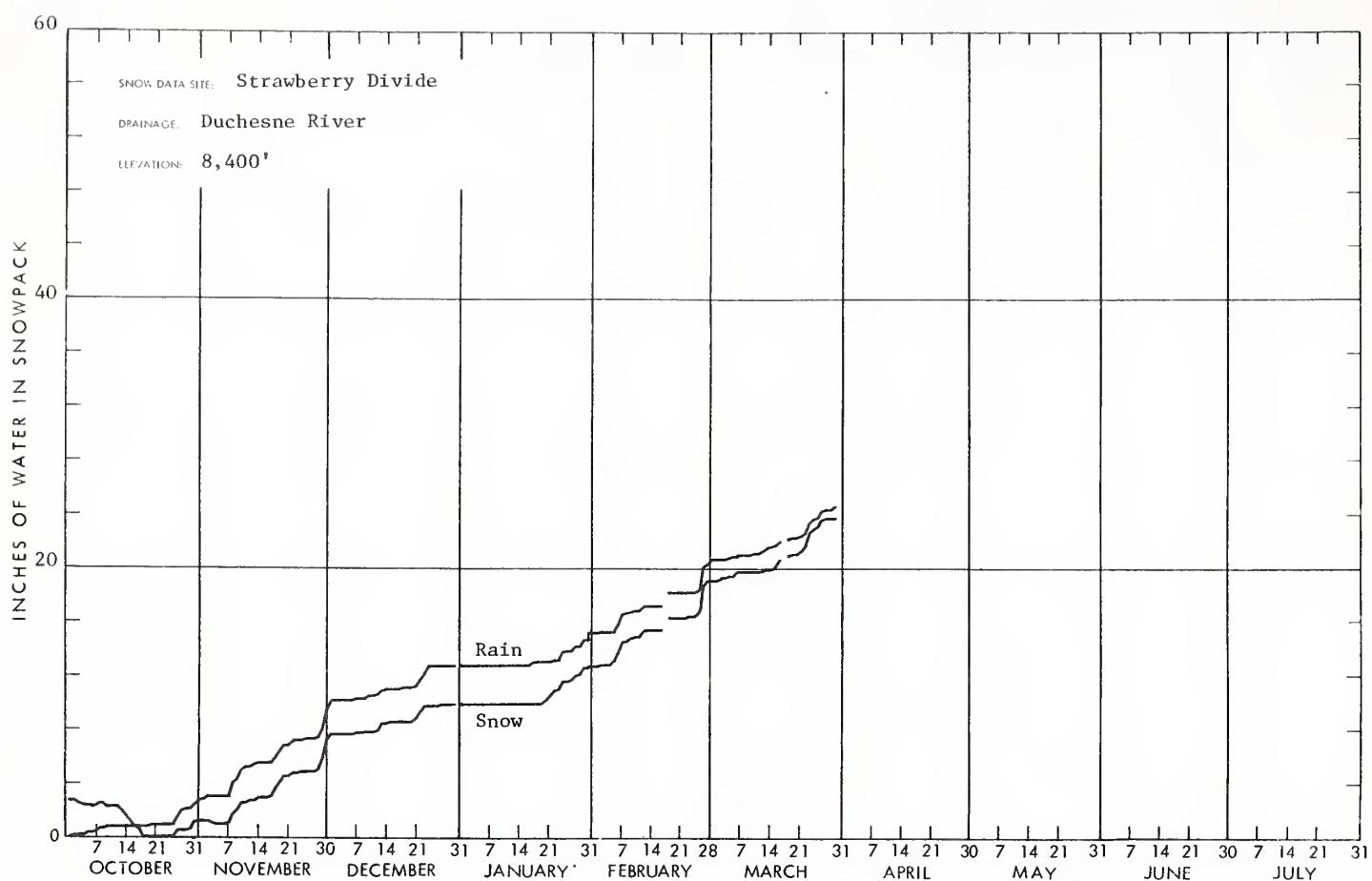
## PRECIPITATION (Inches)

DATE OF READING	MONTH'S PRECIPITATION	AVERAGE +	FROM APPROX OCT 1 TO DATE		
			THIS YEAR	AVERAGE +	PERCENT OF AVERAGE
3/29	6.37 <sup>a</sup>	--	20.67 <sup>a</sup>	--	--
3/28	7.00 <sup>a</sup>	5.40 <sup>b</sup>	23.80 <sup>a</sup>	21.20 <sup>b</sup>	112
3/28	5.86	2.71 <sup>b</sup>	20.20	16.06 <sup>b</sup>	125
3/31	8.15	3.07 <sup>b</sup>	28.11 <sup>a</sup>	20.82	135
3/27	6.07	2.70	23.41	17.19	136
3/31	5.05	2.90	21.47	17.95	120
3/29	4.74	2.40	17.63	16.22	109
3/31	8.45	3.36	33.90	25.09	135
3/29	7.13	3.77	27.75	23.84	116

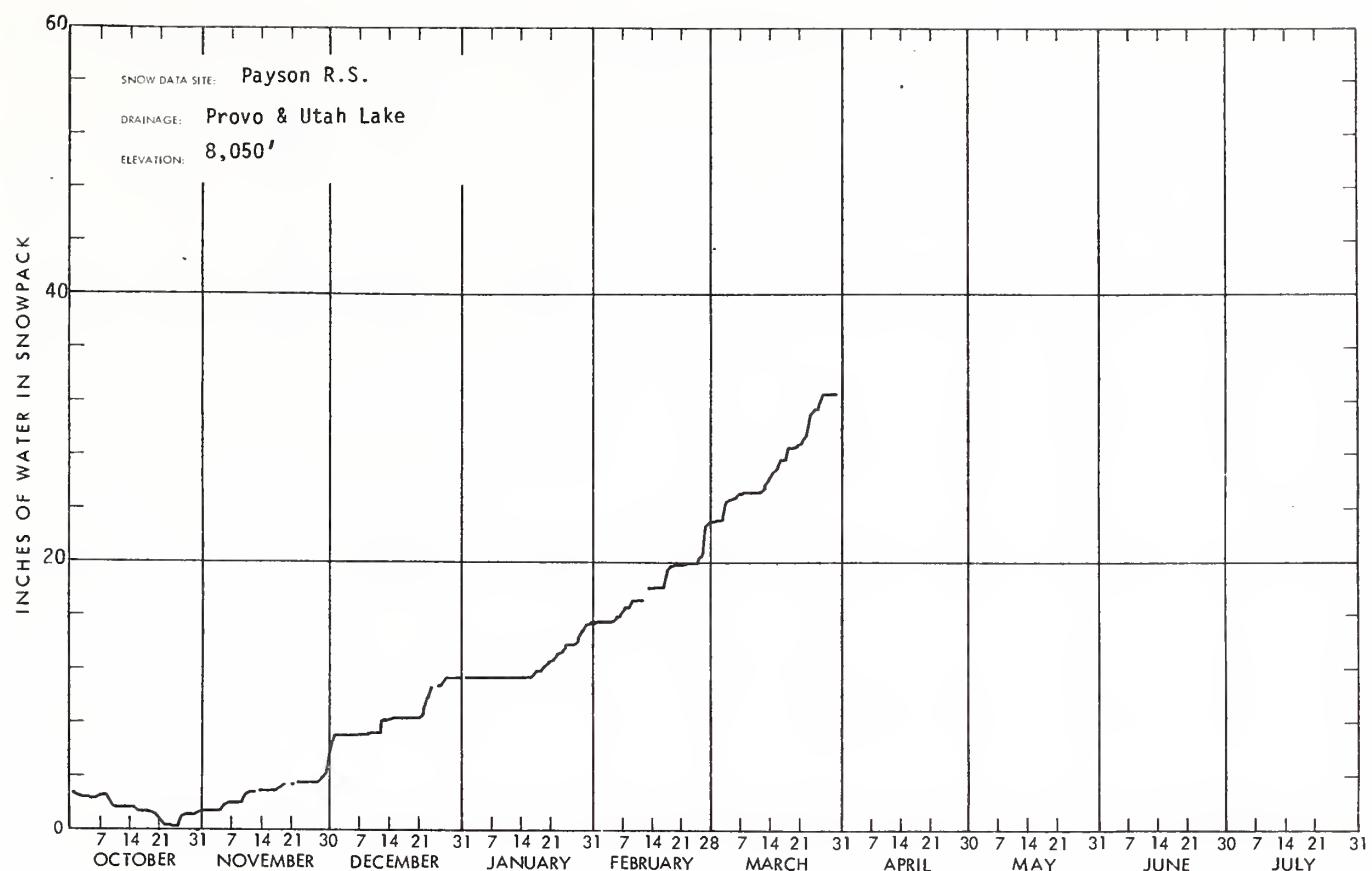
## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION		
				Last Year	Average +	Date of Reading	Month's Precipitation	Average +
GREAT BASIN								
UPPER BEAR RIVER (Above Harer, Idaho)								
Burts-Miller Ranch	3/28	20	4.8	6.1	6.1	3/28	3.43	--
CCC Camp	3/30	34	10.0	15.4	13.4	3/28	11.30	--
Hayden Fork	3/28	54	14.4	20.0	15.9	3/26	5.45	4.68
Monte Cristo R.S.	3/26	71	23.4	32.6	25.9	3/30	3.31	2.97
Salt River Summit	3/30	47	14.0	21.4	16.9	3/28	3.65	--
Stillwater Camp	3/28	40	10.0	13.1	11.3b	3/28	4.68	--
Lily Lake	3/28	57	14.4	19.1	--	3/28	15.08	--
LOWER BEAR RIVER (Below Harer, Idaho)								
Bug Lake	3/26	53	15.8	28.9	20.7a	3/26	3.43	--
Christensen Ranch	3/27	21	7.4	10.9	7.6			13.88
Cliff Canyon	3/27	63	24.3	14.6	--			--
Cub River R.S.	3/27	17	5.3	10.2	6.9			
Daniels Creek	3/27	22	7.2	9.8	--			
Dry Basin	3/27	87	30.7	38.5	30.2			
Dry Creek Flat	3/27	18	6.2	9.3	5.3			
Emigrant Summit	3/31	78	26.1	36.7	26.0	3/31	4.50	--
Emigration Canyon	3/31	29	9.8	16.4	11.1			27.40
Franklin Basin	3/27	74	24.6	35.3	28.2	4/1	6.70a	--
Garden City Summit	3/26	54	15.9	24.0	18.5	3/26	3.68	3.43
Horseshoe Basin	3/27	84	29.4	35.7	25.6			17.98
Klondike Narrows	3/26	54	18.2	28.6	20.7	3/26	4.93	4.25b
Liberty Spring	3/27	111	40.8	57.6	39.8			21.24
Little Bear (lower)	3/26	32	9.0	14.0	9.9			23.85b
Little Bear (upper)	3/26	41	10.8	16.1	12.9	3/26	6.01	2.91b
Lower Elkhorn	3/27	53	18.4	21.8	14.0a			26.12
Oxford Mountain	3/27	31	9.0	14.1	9.5a			18.13b
Slug Creek Divide	3/31	48	14.7	22.3	18.0	3/31	2.90	--
Steep Hollow #1	3/26	113	36.4	51.5	38.0			18.90
Steep Hollow #2	3/26	78	26.5	36.2	27.0			--
Strawberry Creek	3/31	25	9.2	12.7	10.2			
Strawberry Mink Divide	3/27	55	20.5	28.8	21.9			
Tony Grove Lake	3/26	93	31.1	49.8	35.0a	3/26	6.44a	4.16b
Tony Grove R.S.	3/26	30	10.4	17.6	11.9	3/26	3.70	2.85b
Upper Elkhorn	3/27	76	25.5	27.0	19.5a			16.43
Willow Flat	3/27	38	12.9	19.3	14.8	3/27	5.30	4.04
Worm Creek	3/27	48	17.5	23.0	--			25.36
								22.89
UPPER RAFT RIVER								111
Clear Creek Meadows	4/5	114	35.8	36.0	23.6			
George Peak	4/5	122	39.5	44.0	--			
One Mile Summit	4/5	35	7.9	9.2	7.6			
Vipont	4/5	63	19.8	22.0	15.1			
OGDEN RIVER								
Beaver Creek-Skunk Creek	3/26	34	11.7	17.1	12.0			
Ben Lomond Peak	3/26	131	45.0	51.0	34.1	--	--	47.13b
Ben Lomond Trail	3/26	65	23.6	24.9	16.2b	3/26	10.28	3.76b
Causey Dam	3/26	0	0.0	0.0	--	3/26	3.34	2.31b
Dry Bread Pond	3/26	57	18.7	25.1	18.9	4/1	4.10a	3.88b
Sagebrush Flat	3/26	4	1.0	4.8	2.0	3/26	3.31a	2.28b
WEBER RIVER								
Beaver Creek R.S.	3/29	29	9.8	11.4	7.2			
Chalk Creek #1	3/28	85	24.1	31.3	22.4	3/28	6.50a	3.40b
Chalk Creek #2	3/28	58	15.5	19.5	15.6	3/28	4.25a	3.11b
Chalk Creek #3	3/28	28	7.8	9.7	7.5	3/28	3.87	2.68b
Farmington Canyon (lower)	3/26	113	35.1	27.9	22.4	3/26	11.17	5.23b
Farmington Canyon (upper)	3/26	139	45.1	40.4	30.8b	3/26	10.00a	--
Farmington G.S.	3/26	92	27.6a	30.7	--	3/26	9.65	5.49b
Hardscrabble	3/26	82	25.6	22.1	--			--
Horse Ridge	3/26	63	20.8	30.2	21.9b	3/26	5.03	4.24b
Kilfoil Creek	3/26	50	14.9	19.1	13.5b			23.21
Lost Creek Reservoir	3/26	0	0.0	4.4	2.0b	3/26	1.17	1.81b
Park City Summit				47.8	--			9.37
Parley's Canyon Summit	3/29	74	21.4	23.9	18.5	3/29	7.34	4.07
Pine Canyon	3/26	61	19.5	23.0	--			24.49
Redden Mine (lower)	3/28	69	21.3	22.9	18.0	3/28	5.55	--
Smith & Morehouse	3/28	47	13.8	16.3	12.9	3/28	4.31	3.04
Sargeant Lake (A)								17.77
								17.75
								100

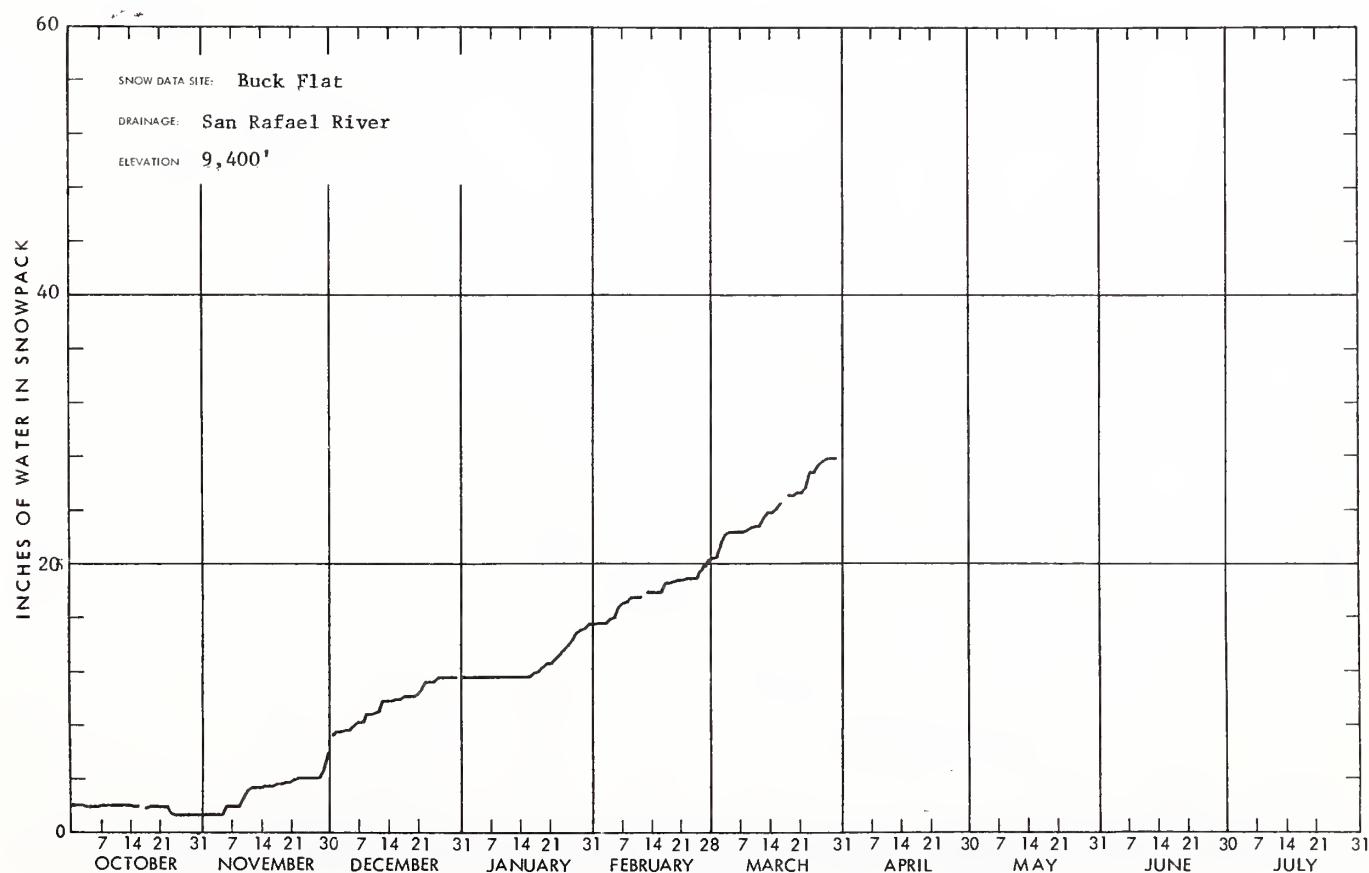




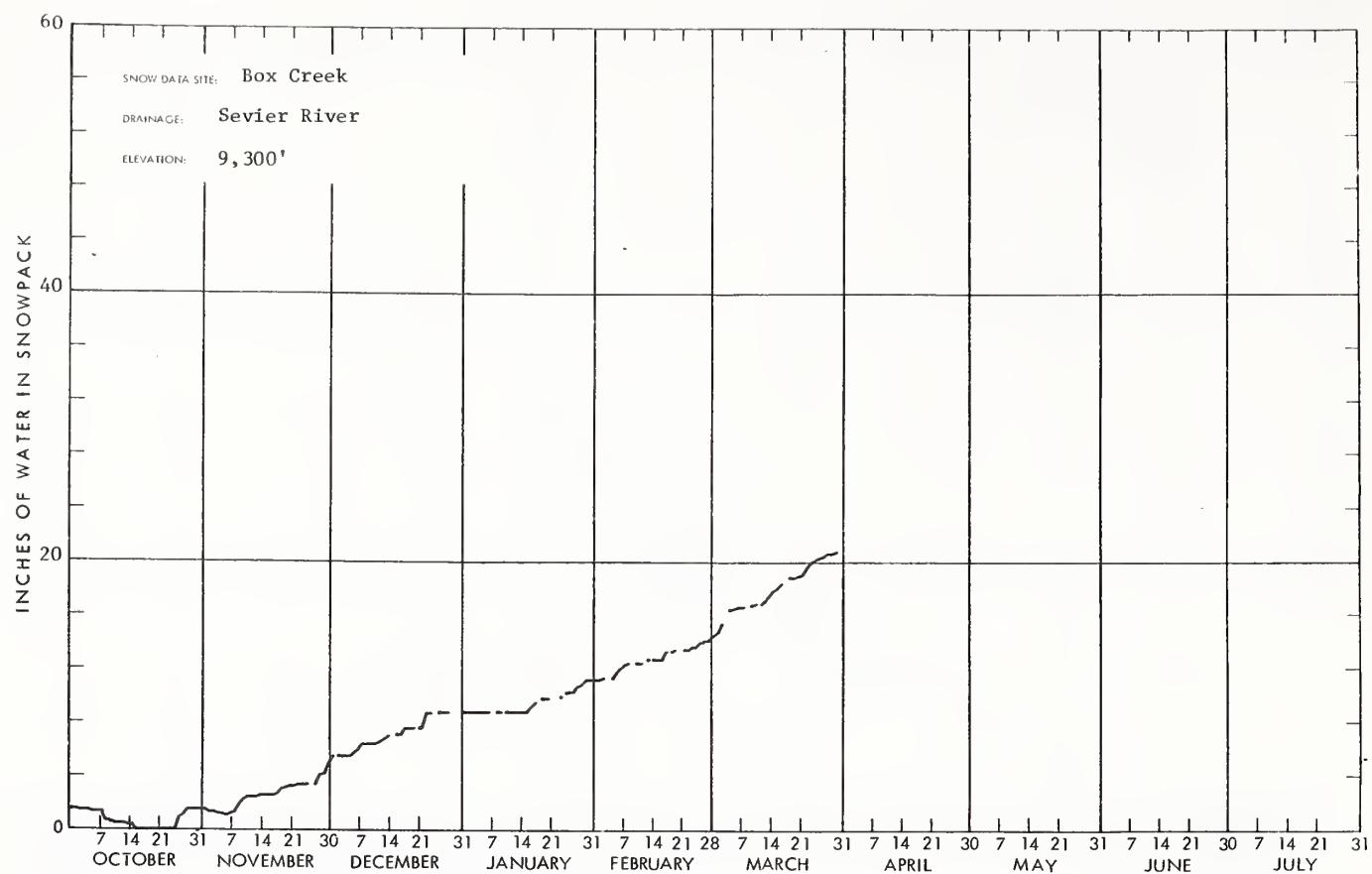
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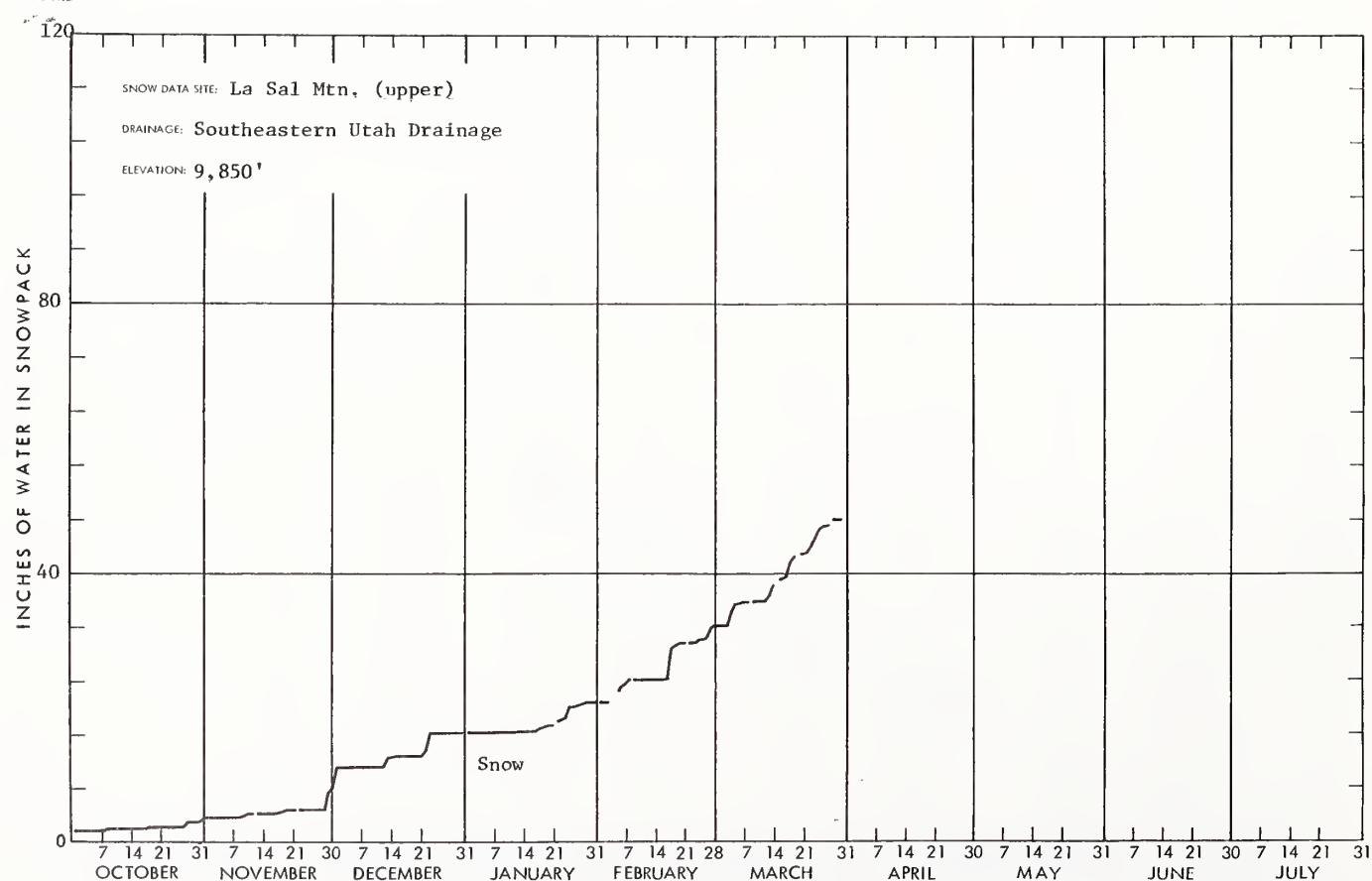
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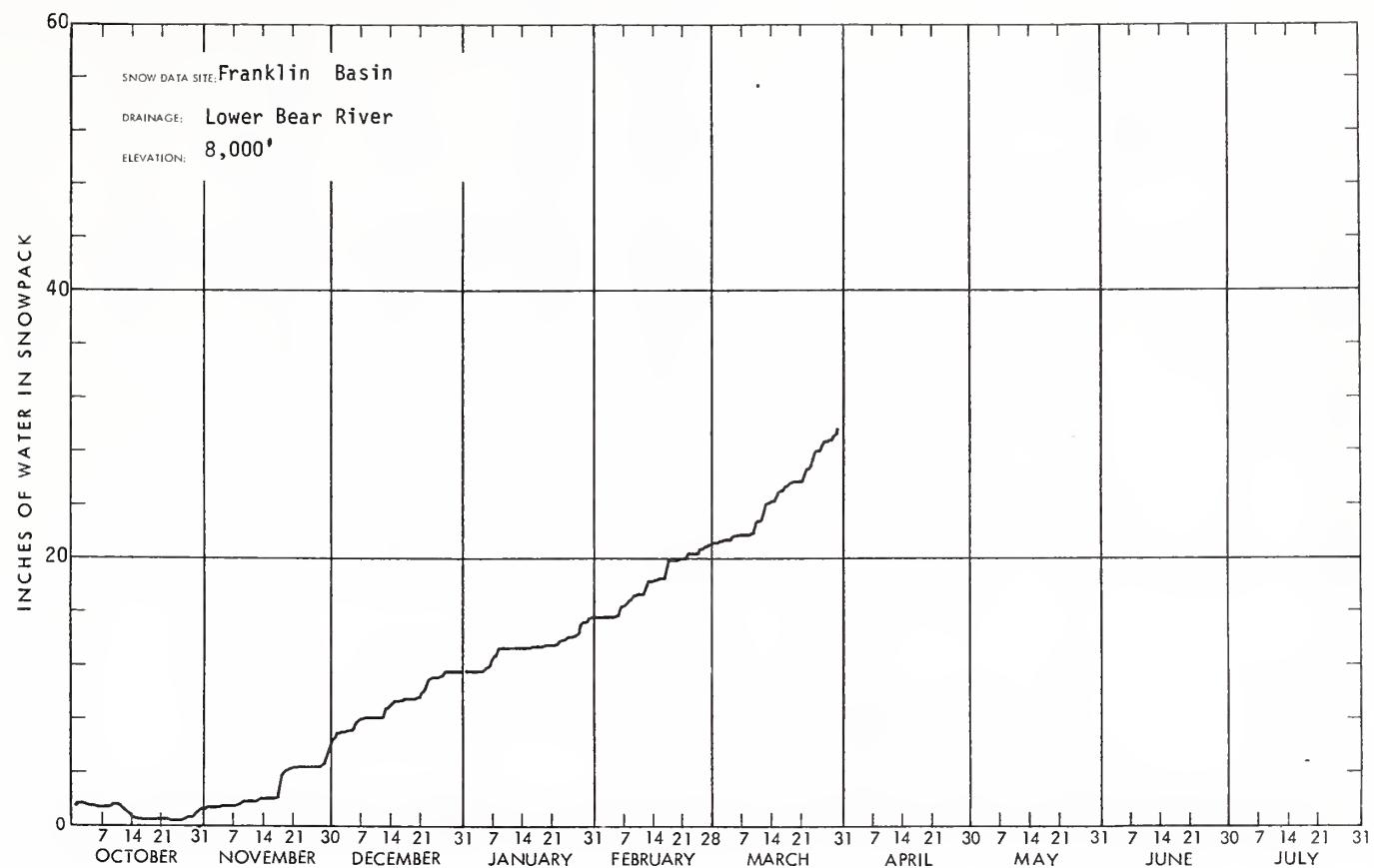
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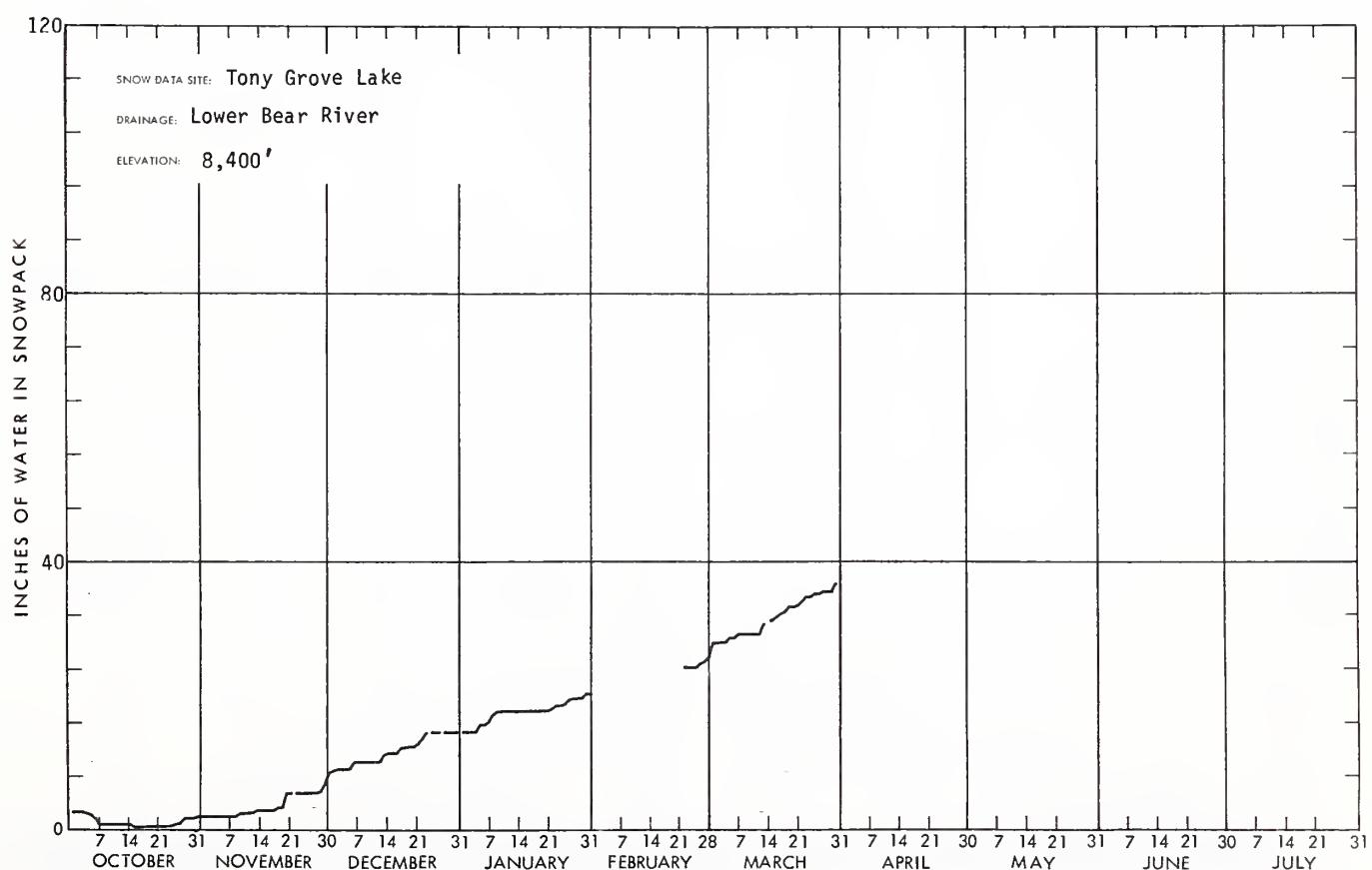
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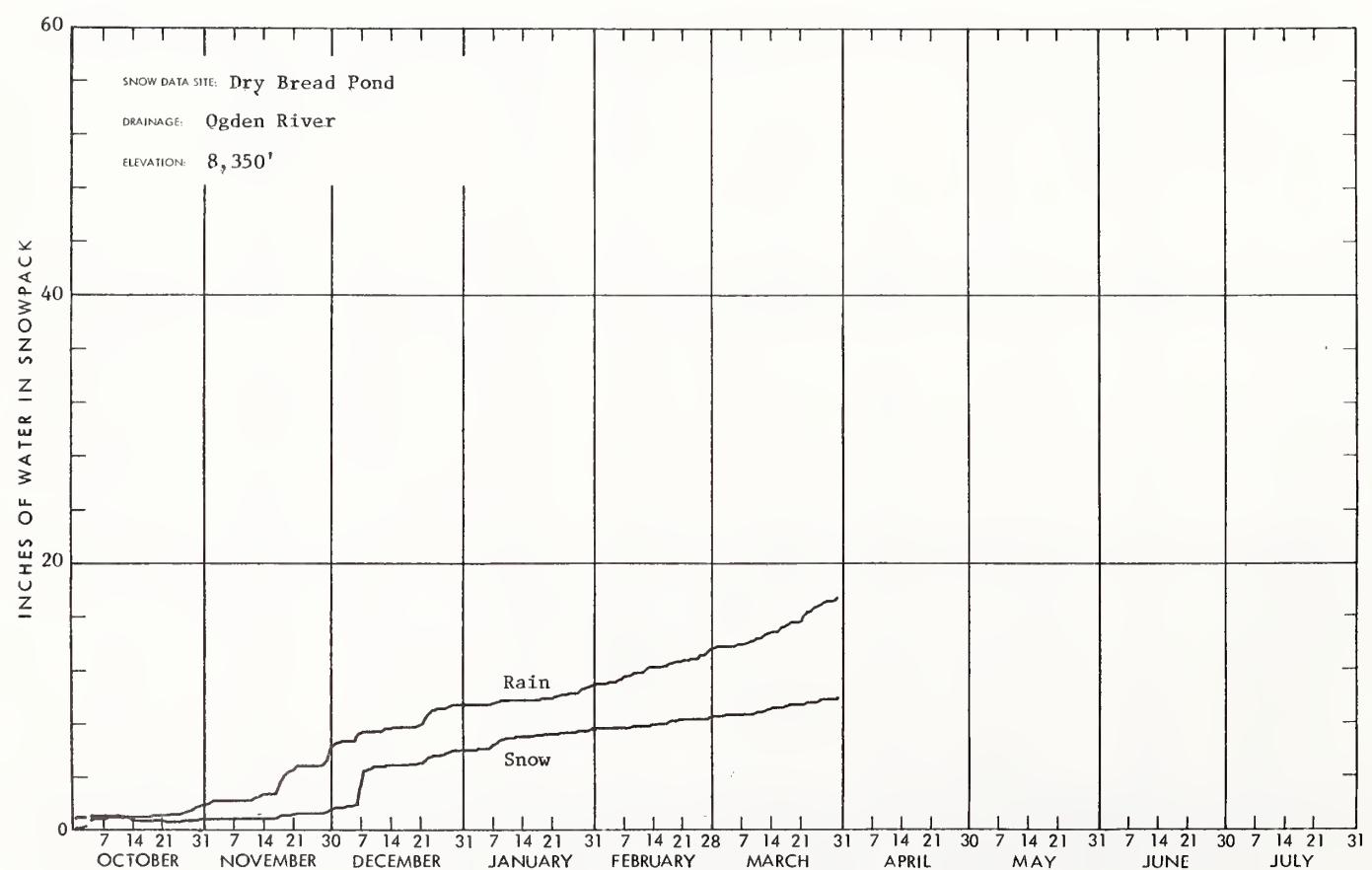
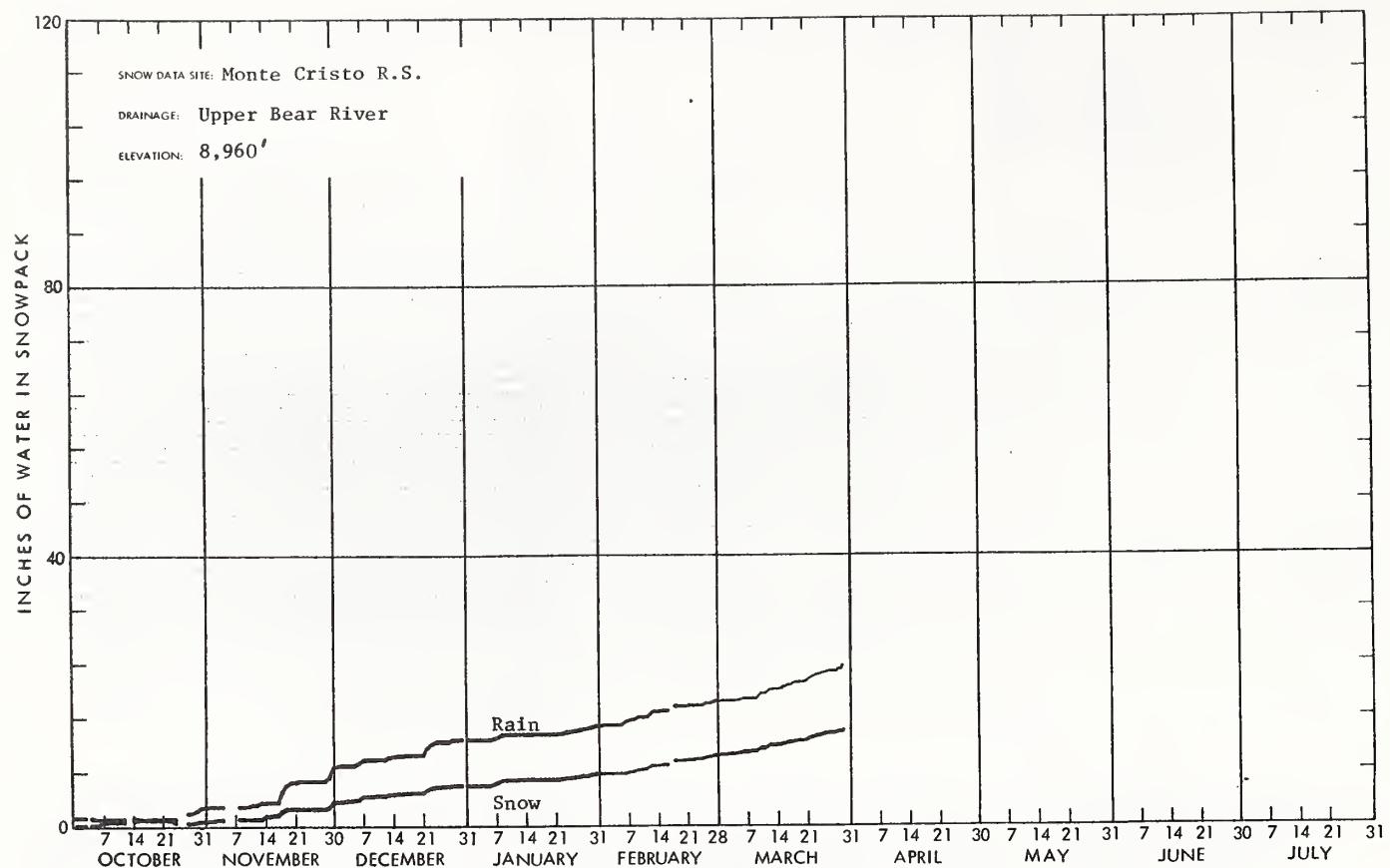


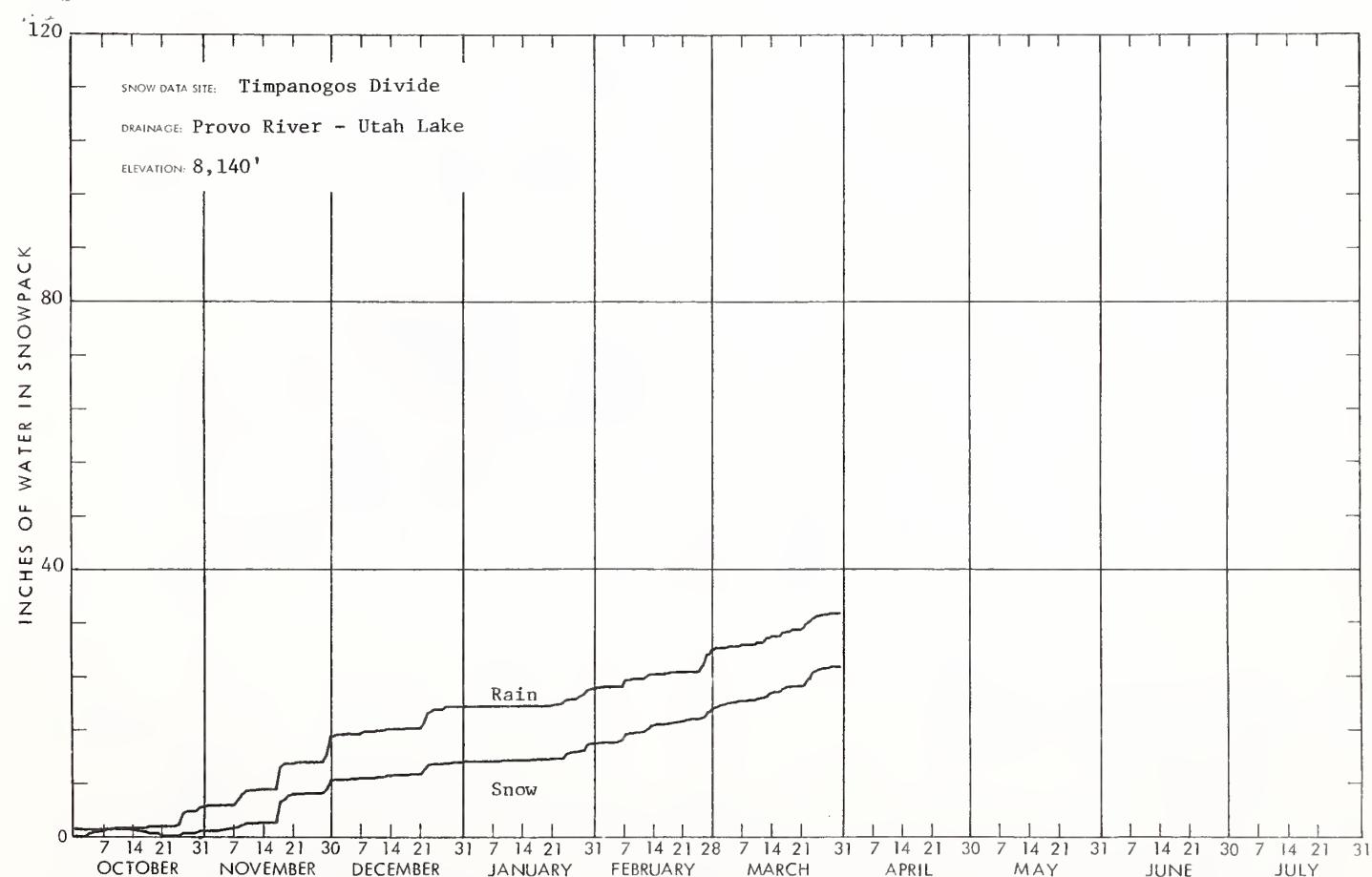
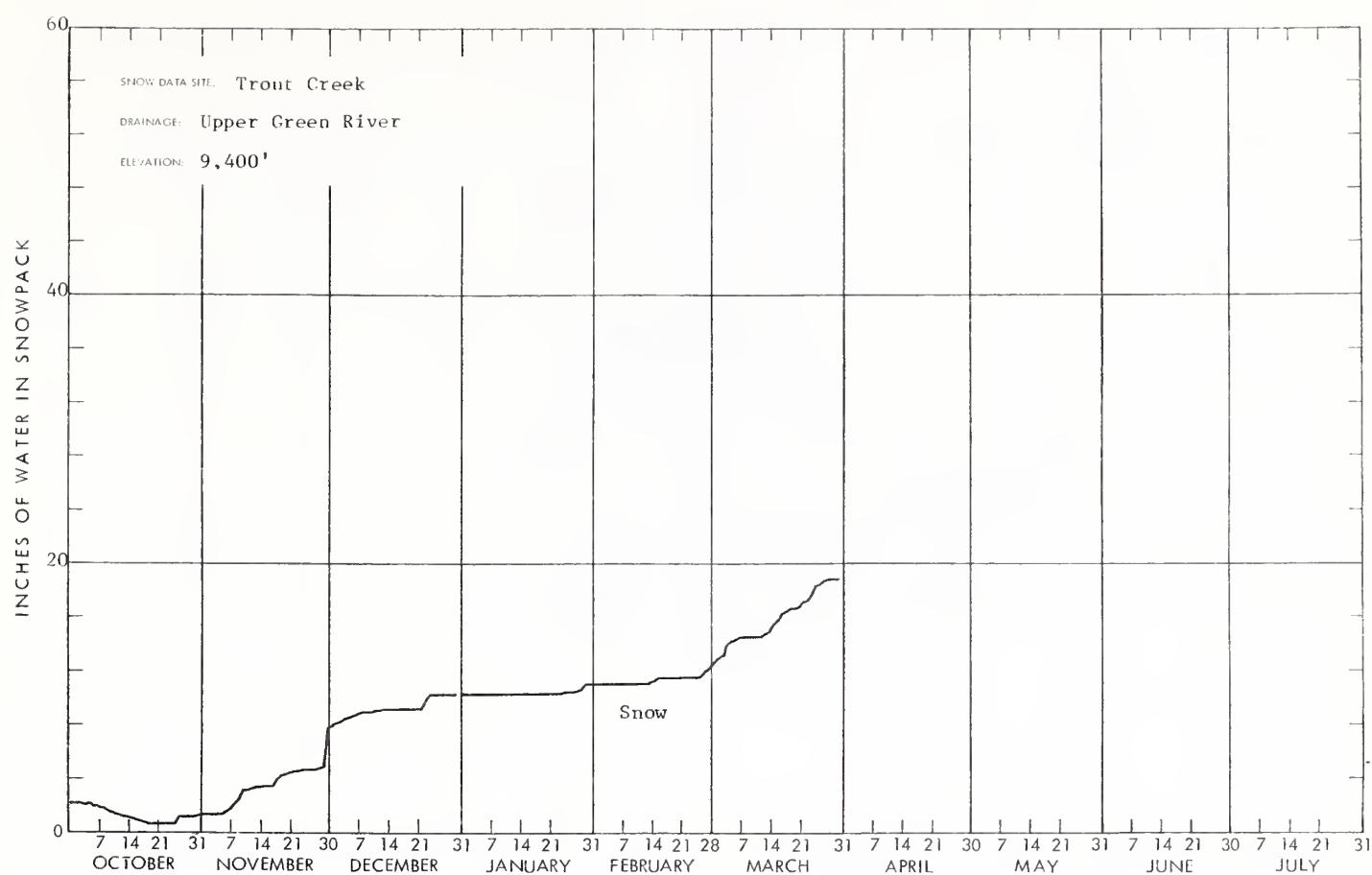
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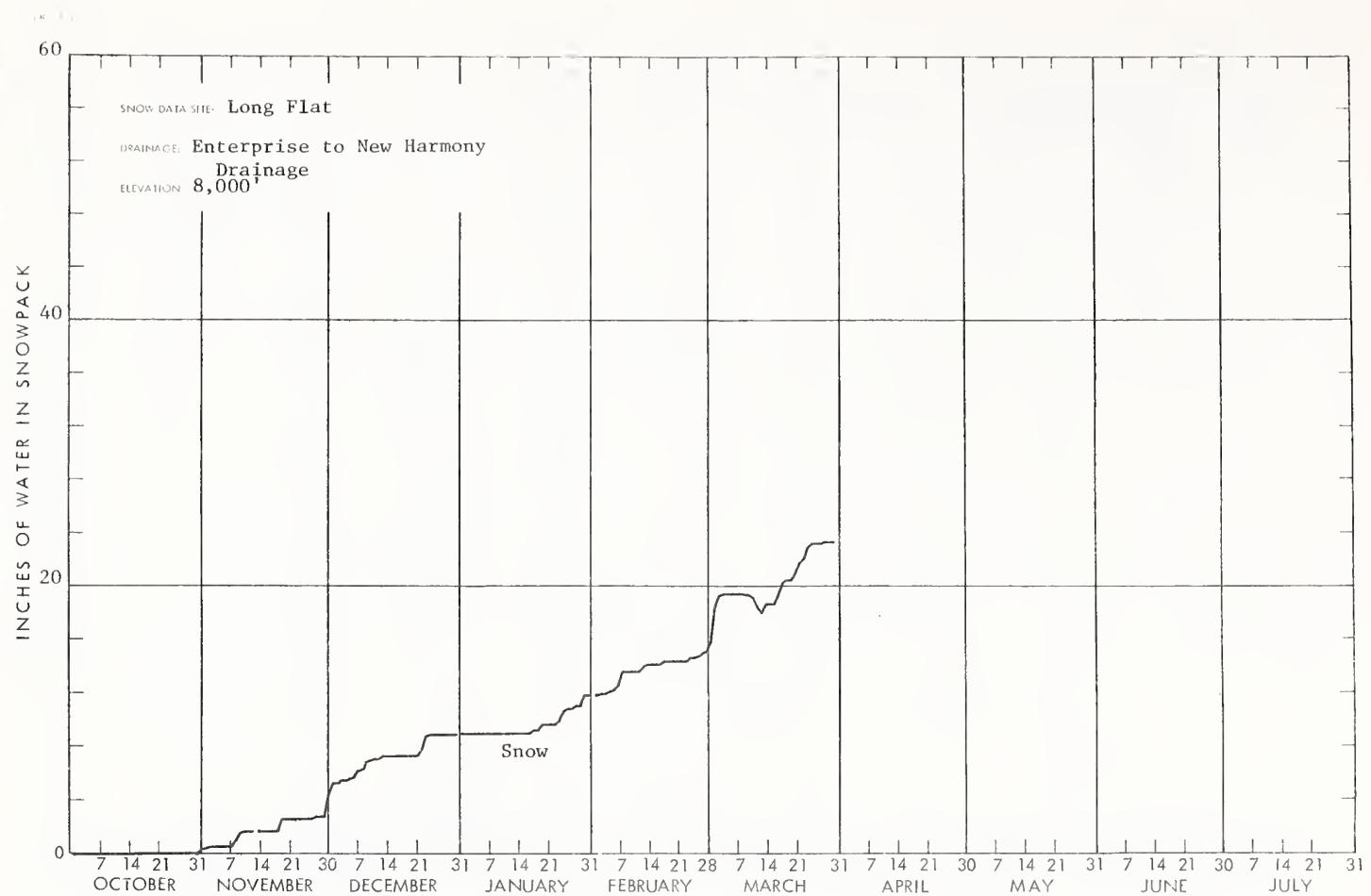


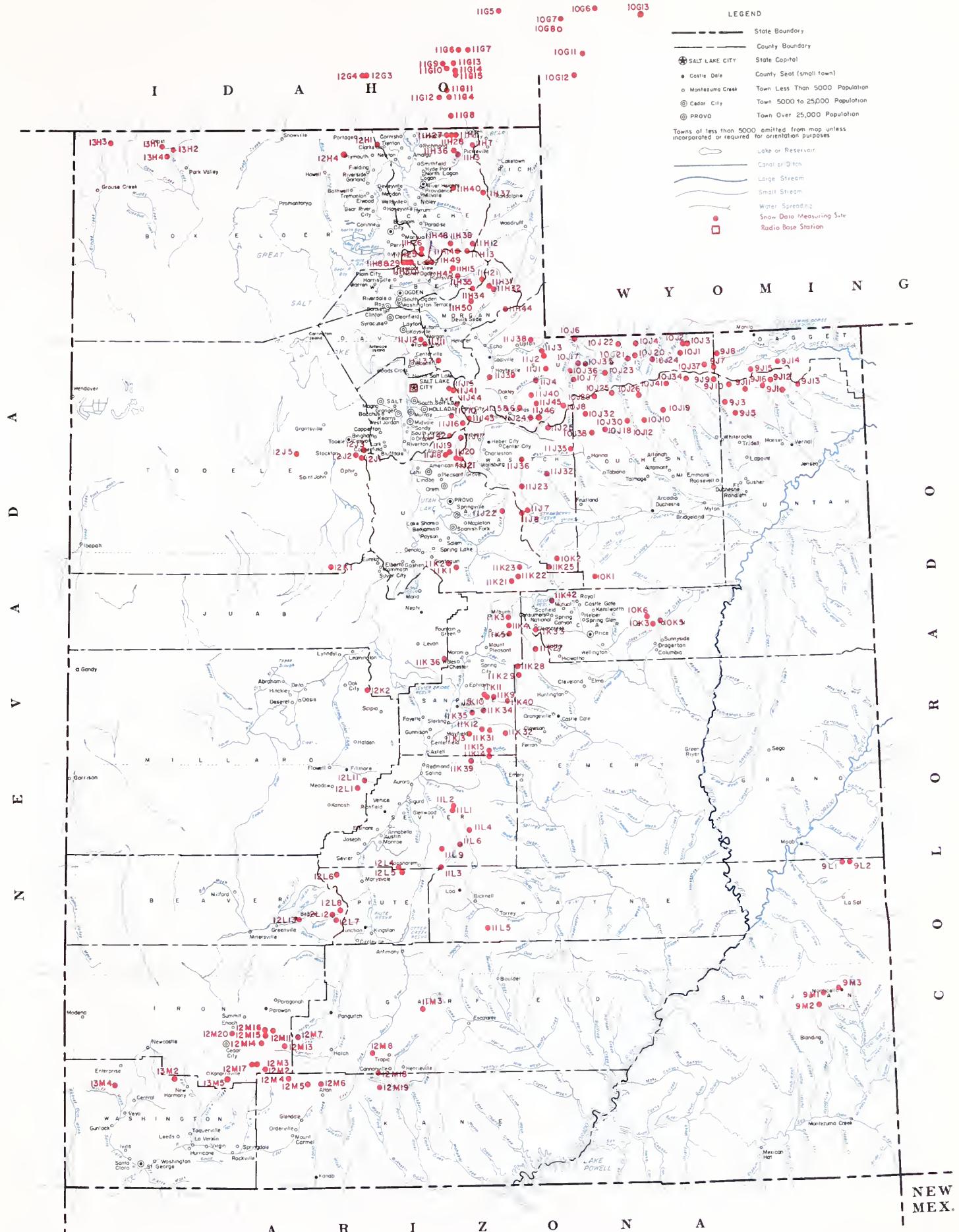
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## **SNOW COURSES AND RELATED DATA MEASURING SITES**

UTAH

1982



USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1967) used as source for base map and adopted for SCS use.

# INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

## GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	
<b>UPPER BEAR RIVER (above Hager, Idaho)</b>																					
10G11	W	Big Park	7	27N	117W	8,700	11U25P	U	PROVO RIVER & UTAH LAKE (continued)	9	3E	7,800	9U1PST	U	UPPER GREEN RIVER IN UTAH (above Duchesne River) (continued)	22	1S	21E	8,730		
10I6P	U	Burns-Miller Ranch	19	3N	10E	7,900	11U19	U	Soponte R.S.	24	4S	6,100	10I3P	U	King's Cabin (upper)	31	1S	17E	10,490		
10G7	U	CCC Camp	9	29N	118W	7,500	11U18	U	South Fork R.S.	24	4S	6,100	10I2P	U	Middle Bear Creek	31	1S	16E	9,450		
10J2P	U	Gold Hill	15	1N	9E	10,000	11U21PST	U	Timpanogos Cave Camp	23	4S	5,500	9I10P	U	Reynolds Fork	31	1S	18E	10,400		
10I3P	U	Holiday Ranger Station	25	1N	9E	9,400	10I8PST	U	Timpanogos Divide	33	4S	5,140	9I7P	U	Spirit Creek Park	10	1N	17E	10,300		
10G12	U	Kelly Ranger Station	13	26N	1N	9,400	11U20PST	U	Tri Lake	5	2S	4,450	10I20PST	U	Steel Creek Park	17	2N	13E	10,100		
10I3P	U	Lily Lake	34	2N	10E	9,050	10I20PST	U	JORDAN RIVER & GREAT SALT LAKE	24	4S	9,900	9I16PST	U	Iron Creek	9	1S	13E	9,400		
10G13P	U	Monte Cristo R.S.	4	8N	1N	9,050	11U20PST	U	Beyon's Cabin	24	4S	6,450	9I22P	U	Wind Park	2	1S	20E	9,400		
10G6	W	Potion Meadows x	29	1N	8N	8,500	11U20P	U	Desert Rock	15	4S	9,250	10I28P	U	DUCHESE RIVER	13	4N	4W	10,840		
10G14	W	Salt River Summit x	32	2N	115W	7,800	11U20P	U	Lamb's Canyon #2	21	4S	7,500	10I30P	U	Arwood Lake	8	2N	6W	10,600		
10G15MP	W	Snyder Basin x	32	2N	10E	8,400	12I4P	U	Middle Canyon	8	3W	7,000	10I30P	U	Brown Duck Ridge	31	1S	1W	10,350		
10J17P	U	Stillwater Camp	22	2N	6,550	12I3P	U	Mill Creek	25	1S	2E	6,950	11U29P	U	Cheopea-Winterrocks Lakes	26	1S	1W	8,000		
<b>LOWER BEAR RIVER (below Hager, Idaho)</b>																					
11H37PST	U	Bug Lake	27	135	5E	7,950	11U16P	U	Rocky Basin Settlement Canyon	18	2S	3W	8,900	11U23PST	U	Daniel's-Strawberry Summit	36	2S	12W	7,560	
11G11	U	Christensen Ranch	29	14N	3E	7,300	11U16P	U	Silver Lake (Brighton)	35	2S	3E	8,725	11U7P	U	East Point Lake	28	4N	5W	7,560	
11H38P	U	Cinnamon Creek	29	14N	3E	7,300	11U16P	U	Snow Bird (God's Valley)	18	3S	3E	9,750	10I28P	U	Five Point Lake	2	1S	11E	10,000	
12H1P	U	Clarkson Mountain	5	155	4E	5,400	12I1P	U	Vernon Creek	23	3S	3W	7,500	10I10PST	U	Indian Canyon	25	1S	1W	9,000	
11G14	U	Cub River Ranger Station	30	135	42E	7,900	12I4PST	U	Box Creek	33	2S	2W	9,300	10I12P	U	Jackson Park	28	5N	3W	11,000	
12C4	U	Dry Creek Flat	31	135	37E	7,350	12I4PST	U	Bryce Canyon	36	4W	8W	9,580	10I29P	U	Kidney Lake	13	2S	3W	11,000	
11G9	U	Emigrant Summit	21	125	42E	7,350	12I4PST	U	Duck Creek	11	3S	3W	8,700	10I19P	U	Lake Fork Mountain #3	23	4N	4W	8,400	
11G10	U	Finsington Canyon (mouth)	24	125	42E	6,500	12M13PST	U	Fawnview	32	3S	3W	8,200	10I24P	U	Lightning Lake	33	1E	1W	9,500	
11G11	U	Franklin Basin	14	165	4E	8,000	12M18P	U	G.B.R.C. Headquarters	21	1S	2E	9,600	10I33P	U	Mosity Mountain	33	1E	1W	10,600	
11H4PST	U	Garden City Summit	34	35	14N	4E	7,600	12M18P	U	Gosberry R.S.	27	1S	2E	10,000	10I29P	U	Paradise Park	25	3N	3W	8,600
11H7P	U	Herd Hollow	3	135	3E	7,200	12M18P	U	High-Top Mountain	24	1S	2E	7,700	10I18P	U	Rock Creek	21	2S	3W	7,900	
11H4P	U	Hershberger Basin	31	135	42E	8,000	12M18P	U	Kimberly Mine	11	2S	3W	11,400	10I32P	U	Shadow Lake	2	4S	12W	10,150	
11G15	U	Klondike Narrows	10	14N	3E	7,400	12L6PST	U	Midway Valley	26	3S	3W	9,300	11U8P	U	Strawberry Divide	22	1W	9,400	9,480	
11G13	U	Liberty Springs	16	135	42E	8,240	12M20PST	U	Panguitch Lake	29	3S	3W	8,200	11U33P	U	West Fork of the Duchesne	2	1W	9,400	9,480	
11H26	U	Little Bear (lower)	22	8N	1E	6,000	12M7P	U	Rainbow Lake	29	3S	3W	8,100	10I20P	U	PRICE RIVER	32	1S	14E	8,400	
11H27PST	U	Oxford Mountain	32	135	3E	6,800	12L5P	U	Snow Springs	3	2S	2W	9,300	10K5M	U	Carol Dry Valley, Divide Alternate	14	1S	15E	8,200	
11G3	U	Slag Creek Divide	15	105	4E	7,225	12L5P	U	LOWER SEVIER RIVER (including Son Pitch River)	22	1S	2E	9,000	11K42P	U	Grassy Trail-Creek-Left Fork	1	1S	14S	8,200	
11H27	U	Steep Hollow	7	14N	3E	8,500	12L5P	U	Beaver Dam	34	2S	2E	9,600	10K5P	U	Mud Creek	4	1S	14S	8,200	
11H28	U	Strawberry Creek	9	135	41E	5,800	11K13P	U	Fawnview Lake	21	1S	2E	8,700	10I6P	U	Timberline #1	23	1S	13S	8,400	
11G10	U	Strawberry Mink Divide	14	135	41E	6,800	11K13P	U	G.B.R.C. Meadows	27	1S	2E	10,000	10K25P	U	White River #3	30	1S	10S	7,400	
11H10P	U	Tony Grove Lake	5	135N	3E	8,400	11K13P	U	Gooseberry R.S.	21	2S	2E	8,000	11K3P	U	SAN RAFAEL RIVER	23	1S	15S	9,400	
11H10P	U	Tony Grove Ranger Station	11	135N	3E	6,250	11K13P	U	Monmoth R.S.-Cottonwood Creek	13	1S	2E	8,000	11K4	U	Buck Flat	25	1S	15E	8,700	
11H28P	U	RAFT RIVER	26	14N	14W	9,050	11K13P	U	Mountain	16	1S	2E	9,500	11K5P	U	Gooseberry Reservoir	12	1S	14S	9,800	
13H20	U	Clear Creek Meadows	26	14N	14W	9,000	11K13P	U	Mt. Baldy R.S.	19	1S	2E	9,500	11K40P	U	Huntington-Horseshoe	15	1S	15E	7,200	
13H21	U	George Peak	34	135	3E	7,700	11K13P	U	Oak Creek	9	1S	2E	7,700	11K40P	U	Orange Glen	5	1S	15E	6,600	
13H22	U	One Mile Summit	17	135	41E	5,800	11K13P	U	Pickle Leg Springs	4	1S	2E	8,700	11K28P	U	Red Pine Ridge	5	1S	15E	10,000	
13H23	U	ViPoint	17	135	41E	6,800	11K13P	U	Pine Creek	24	1S	2E	7,700	11K27P	U	Seelye Creek	8	1S	15E	7,750	
<b>OGDEN RIVER</b>																					
11H14M	U	Beaver Creek-Skunk Creek	23	8N	3E	7,150	12L13	U	BEAVER RIVER	23	2S	2W	6,020	11K14	U	Upper Joe's Valley	27	1S	19S	5,900	
13H24	U	Ben Lomond Peak	2	7N	3E	8,000	12L13	U	Beaver Race Track	7	2S	2W	6,020	11K15PST	U	Wrigley Creek	2	1S	19E	5,900	
13H25P	U	Ben Lomond Trail	2	7N	3E	5,500	12L13	U	Big Flat	7	2S	2W	6,020	11L4P	U	BLACK'S FLD-U.M. CREEK	33	1S	24E	9,400	
11H27PST	U	Causey Dam	19	8N	4E	8,350	12L13	U	Merchant's Valley (upper)	8	2S	2W	6,020	11L5P	U	Dorsey Reservoir	9	1S	24E	8,700	
11H28P	U	Dry Broad Pond	19	8N	4E	8,350	12L13	U	Other Lake	12	2S	2W	6,020	11L5P	U	Fish Lake	25	1S	24E	8,700	
11H29P	U	Guider's Peak	16	7N	2E	8,420	12L13	U	ENTERPRISE TO NEW HARMONY DRAINAGES	2	2S	2W	6,020	11L6P	U	Johnson Valley	24	2S	25E	8,650	
11H30P	U	Middle Fork Ogden	16	7N	2E	8,420	12L13	U	Little Grass Creek	14	3S	3W	6,100	11L6P	U	SOUTHEASTERN UTAH DRAINAGES	36	2S	25E	9,400	
11H31	U	Powder Mountain Hideaway	6	7N	2E	8,250	12M16	U	Long Flat	2	3S	3W	6,000	9M1P	U	Buckboard Flat	36	2S	25E	9,400	
11H32	U	Powder Mountain Sundown	1	7N	1E	8,400	12M16	U	Birch Crossing	23	2S	2W	10,000	9M2P	U	Comp Jackson	32	2S	24E	8,600	
11H33	U	Sagebrush Flat	21	7N	3E	6,300	12M16	U	Birch Hand	10	3S	3W	8,000	9M3P	U	LaSal Mountain (upper)	35	2S	24E	8,600	
11H34	U	Lost Creek	27	6N	5E	7,300	12M16	U	Yankee Reservoir	20	2S	2W	8,000	9M3P	U	Menticello Park	25	2S	23E	8,600	
11H35	U	Park City Summit	30	25	4E	9,300	12M16	U	ENTERPRISE TO NEW HARMONY DRAINAGES	20	2S	2W	8,000	9M3P	U	ESCALANTE RIVER	22	3S	1W	9,500	
11H36	U	Pine Canyon	5	5N	3E	7,500	9J10P	U	Ashley Twin Lakes	25	1S	2E	10,500	13M5PST	U	Widtsoe-Escalante #3	22	3S	1W	9,500	
11H37P	U	Pacifica	21	3N	7E	8,000	9J10P	U	Black's Fork G.S.-East Fork	25	1S										

# Agencies Cooperating in Utah Snow Surveys

## U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U. S. Department of Commerce  
NOAA, National Weather Service  
U. S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah State Department of Natural Resources  
Division of Wildlife Resources  
Division of Water Resources  
Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Central Utah Conservancy District  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association  
Weber River Water Users Association  
Weber Basin Conservancy District

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
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